

TLW-MFG

JN810456

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57
Page: 1Explosion Level: 3
Implemented Only: Yes
Display Option: Future and current
Explosion Quantity: 1.00Job #: Job #: JN810456
Ser #: Ser #: L-42332-36E
Lot #: Lot #: 005Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: PrimaryUOM: EA Engineering Bill: No
Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
***1	10	1	H-360-W-001CK C'CASE (O-360-A4A) #1 DYN - ROLLER LIFTER (EQ. OF -001E)	--	EA	19-FEB-05				1.00	1.00	
.2	10	1	11B20161-1SH CRANKCASE ASSY-ROLLER LIFTER	-B	EA	22-JAN-05				1.00	1.00	
.2	11	1	11B20161-1SH-70 -70 CRANKCASE ASSY-ROLLER LIFTER	--	EA	22-JAN-05				1.00	1.00	
.2	12	1	11B20161-1SH-85 -85 CRANKCASE ASSY-ROLLER LIFTER	--	EA	22-JAN-05				0.00	0.00	
.2	13	1	11B20151-1SH-70 -70 CRANKCASE ASSEMBLY	--	EA	21-JUN-07				0.00	0.00	
.2	14	1	11B20151-1SH-85 -85 CRANKCASE ASSEMBLY	--	EA	21-JUN-07				0.00	0.00	
.2	20	1	1102 PLUG-.125 PIPE	AG	EA	22-JAN-05				6.00	6.00	R
.2	30	1	STD-1339 PLUG-.0625-27 NPT	-F	EA	22-JAN-05				4.00	4.00	R
***1	20	1	O-360-W-002K C'SHAFT BRGS & ROLLER LIFTERS (EXCEPT HIO-D&IVO) - (EQ. OF -002E)	-B	EA	19-FEB-05				1.00	1.00	
.2	10	1	18D26098 BEARING - CRANKSHAFT HI-CRUSH THIN WALL	G	EA	21-AUG-09				4.00	4.00	26936
.2	10	1	18D23135 BEARING-CRANKSHAFT	-C	EA	21-AUG-09				0.00	0.00	26936
.2	20	1	18A26093 BEARING - CRANKSHAFT - FRONT	H	EA	13-JUL-09				2.00	2.00	26936
.2	30	1	LW-13792 SEAL-CRANKSHAFT-OIL	AE	EA	02-OCT-04				1.00	1.00	R
.2	40	1	72075 SEAL-OIL-.090 SEC. X .455 ID	-U	EA	02-OCT-04				2.00	2.00	R
.2	50	1	72091 RING-OIL SEAL-.36ID X.10 DIA	-V	EA	02-OCT-04				2.00	2.00	R
.2	60	1	LRT23381 BODY ASSY-HYDRAULIC TAPPET-LYC ROLLER TYPE	-J	EA	15-NOV-04				8.00	8.00	

FOR -85 OR -70
CRANKCASES, AN
ADDITIONAL 4 PCS ARE
REQUIRED.

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Explosion Level: 3
 Implemented Only: Yes
 Display Option: Future and current
 Explosion Quantity: 1.00

Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
***1	30	1	R-360-W-003A	OIL PRESS RELIEF VALVE	-A	EA	19-FEB-05		**SELECT SPRING TO GIVE A MINIMUM OF 3 THREADS EXPOSED ON ADJUSTING SCREW TO ALLOW FIELD ADJUSTMENT. ADJUSTABLE OIL PRESSURE RELIEF VALVE	1.00	1.00	
.2	10	1	1028-B	BALL-.6875 DIA	-!	EA	24-NOV-93			1.00	1.00	R
.2	20	1	61084	SPRING-OIL PRESS. RELIEF VALVE	AC	EA	24-NOV-93			0.20	0.20	R
.2	30	1	68668	SPRING-OIL PRESS. RELIEF VALVE	-U	EA	24-NOV-93			0.20	0.20	R
.2	40	1	77467	SPRING-OIL PRESS. RELIEF VALVE	-H	EA	24-NOV-93			0.20	0.20	R
.2	50	1	LW-11713	SPRING-OIL PRESS. RELIEF VALVE	-H	EA	24-NOV-93			0.20	0.20	R
.2	60	1	LW-18085	SPRING-OIL PRESS. RELIEF VALVE	-D	EA	24-NOV-93			0.20	0.20	R
.2	70	1	06E19769-1.25	GASKET-ANNULAR-1.250 ID	-H	EA	24-NOV-93			1.00	1.00	R
.2	80	1	77808-85	-85 VALVE ASSY-O PRES RLF ADJ	-!	EA	24-NOV-93			1.00	1.00	R
.2	81	1	77808	VALVE ASSY-OIL PRESSURE RELIEF	-E	EA	29-DEC-21			0.00	0.00	R
.2	90	1	STD-1823	LOCKWIRE-.032 DIA	-D	LBS	24-NOV-93			0.00	0.00	
***1	40	1	H-360-W-004AT	SOLID C'SHAFT FIXED PITCH SENS	--	EA	19-FEB-05			1.00	1.00	
.2	10	1	13B47134	CRANKSHAFT- ASSEMBLY	-D	EA	08-NOV-21			0.00	0.00	
.2	11	1	13B47134-70	CRANKSHAFT- ASSEMBLY	--	EA	08-NOV-21			0.00	0.00	
.2	12	1	13B47134-85	-85 CRANKSHAFT- ASSEMBLY	--	EA	08-NOV-21			0.00	0.00	
.2	13	1	13B27134-85	-85 CRANKSHAFT &	-!	EA	08-NOV-21			0.00	0.00	

1-5-23

0 1.00 1.00

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 Implemented Only: Yes
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 Explosion Quantity: 1.00

Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA

Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
				BUSHING ASSY								
.2	14	1	13B17131-85	-85 CRANKSHAFT & BUSHING ASSY	-!	EA	08-NOV-21			0.00	0.00	
X.2	20	1	✓ 13B27134-70	-70 CRANKSHAFT & BUSHING ASSY	-!	EA	27-MAR-01			1.00	0.00	
.2	30	1	13B17131-70	-70 CRANKSHAFT & BUSHING ASSY	-!	EA	16-FEB-94		1-5-23	0.00	0.00	
***1	50	1	R-360-W-005	CRANKSHAFT GEAR	-A	EA	19-FEB-05			1.00	1.00	
.2	11	1	13S19646-85	-85 GEAR- CRANKSHAFT	--	EA	01-DEC-93			0.00	0.00	
.2	12	1	✓ 13S19646	GEAR-CRANKSHAFT	-V	EA	08-MAR-07			1.00	1.00	
.2	20	1	✓ LW-18639	LOCKPLATE-CRANKSHAFT GEAR	-A	EA	01-DEC-93			1.00	1.00	R
.2	30	1	✓ STD-2246	BOLT-.3125-24 X 1.00 LG	-D	EA	26-NOV-02			1.00	1.00	R
***1	60	1	R-360-W-006	CONNECTING ROD	-A	EA	19-FEB-05			1.00	1.00	
.2	10	1	✓ LW-11750-85	-85 ROD ASSY- CONNECTING-MACH	-!	EA	04-DEC-93			4.00	4.00	
.2	11	1	LW-11750-H5-85	-85 ROD ASSY- CONN-MACHINING	-!	EA	02-MAY-16			0.00	0.00	
.2	15	1	LW-11750	ROD ASSY-CONNECTING- MACHINING - LYCOMING USE ONLY	BF	EA	30-OCT-12			0.00	0.00	
.2	25	1	✓ 18M26105	BEARING - CONNECTING ROD	G	EA	17-AUG-09			8.00	8.00	
***1	70	1	R-360-W-007P	CAM-INT & EXH PROFILE SAME - ROLLER LIFTER (EQ. OF -007A)	--	EA	19-FEB-05			1.00	1.00	
X.2	10	1	15M23452	CAMSHAFT ASSEMBLY, ROLLER LIFTER	-B	EA	22-JAN-05			1.00	1.00	
.2	20	1	15M23452-85	-85 CAMSHAFT ASSY- ROLLER LIFTER	--	EA	19-AUG-13			0.00	0.00	

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Explosion Level: 3
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Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA

Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
***1	80	1	O-360-W-008H C'CASE ATCH PTS(ALL)EXC IO-B		-D	EA	19-FEB-05			1.00	1.00	
.2	10	1	LW-25-1.50 BOLT-.250-20 X 1.50 LONG HEX		-L	EA	01-JAN-85			8.00	8.00	R
.2	20	1	STD-8 WASHER-.250 PLAIN		-P	EA	01-JAN-85			19.00	19.00	R
→2	30	1	60803 STRAP-LIFTING		-H	EA	01-JAN-85			1.00	1.00	R
✕2	40	1	LW-25-1.75 BOLT-.250-20 X 1.75 LONG HEX		-L	EA	01-JAN-85			1.00	1.00	R
.2	50	1	LW-25-1.13 BOLT-.250-20 X 1.13 LONG HEX		-L	EA	01-JAN-85			3.00	3.00	R
.2	60	1	STD-160 WASHER-.250 LOCK INT.TEETH		AA	EA	01-JAN-85			12.00	12.00	R
.2	70	1	STD-1411 NUT-.250-20 PLAIN		-P	EA	01-JAN-85			9.00	9.00	R
.2	80	1	LW-25S1.50 BOLT-.250-20 X 1.50 LONG DR EN		-L	EA	01-JAN-85			3.00	3.00	R
.2	90	2	STD-8 WASHER-.250 PLAIN		-P	EA	01-JAN-85			9.00	9.00	R
.2	100	2	STD-2249 NUT-.250-20 SLOTTED		-A	EA	28-MAR-03			3.00	3.00	25972 R
.2	110	2	STD-1823 LOCKWIRE-.032 DIA		-D	LBS	01-JAN-85			0.00	0.00	
.2	120	2	STD-33 WASHER-.375 PLAIN		-L	EA	01-JAN-85			3.00	3.00	R
.2	130	2	AN960-616L WASHER-.375 PLAIN- (THIN)		-!	EA	01-JAN-85			1.00	1.00	R
.2	140	2	STD-872 NUT-.375-24 SLOTTED		-W	EA	01-JAN-85			1.00	1.00	R
.2	150	3	STD-1823 LOCKWIRE-.032 DIA		-D	LBS	01-JAN-85			0.00	0.00	
✕2	160	3	LW-11866 SPACER-NUT COMPRESSOR		-E	EA	01-JAN-85		INSTALL AT FRONT MAIN BEARING HOLES ON RIGHT	2.00	2.00	R
.2	170	3	AN6-34A BOLT-.375-24 X 3.58 LG HX HD		-!	EA	01-JAN-85		C'CASE SIDE	2.00	2.00	R

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Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
.2	180	4	STD-33 WASHER-.375 PLAIN		-L	EA	01-JAN-85		2 REQ'D UNDER HD. OF AN6-34A	6.00	6.00	R
X .2	190	4	76220 STUD-.500-20 X 10.70 LONG		-T	EA	01-JAN-85		POL [REDACTED] 1/11/23	4.00	4.00	R
***1	90	1	R-360-W-009 SUPPORT ASS'Y-ST RG GR		--	EA	19-FEB-05			1.00	1.00	
.2	11	1	LW-16064-85 -85 SUPPORT ASSY- STRTR RING GR		-!	EA	17-JAN-94			0.00	0.00	
.2	20	1	LW-16064 SUPPORT ASSY-STARTER RING GEAR		-H	EA	22-DEC-10			1.00	1.00	
***1	100	1	R-360-W-010 TACH SHAFT & SHAFT IDLER GEARS		-A	EA	19-FEB-05			1.00	1.00	
.2	10	1	76121 SHAFT ASSY-TACHOMETER		-R	EA	23-OCT-12		[REDACTED]	1.00	0.00	R
.2	11	1	76121-85 -85 SHAFT ASSY- TACHOMETER		-!	EA	08-FEB-94			1.00	1.00	
.2	20	1	STD-2231 RING-INTERNAL RETAINING (.812		-D	EA	01-DEC-93			1.00	1.00	R
.2	30	1	LW-13796 SHAFT-CRANKSHAFT IDLER GEAR		-R	EA	23-OCT-12			0.00	0.00	
.2	31	1	LW-13796-85 -85 SHAFT-C'SHAFT IDLER GEAR		-!	EA	01-DEC-93			2.00	2.00	
.2	50	1	STD-2168 NUT-.3125-18 NC-3 SLOT. SHEAR		-B	EA	01-DEC-93			1.00	1.00	R
.2	60	1	STD-1823 LOCKWIRE-.032 DIA		-D	LBS	01-DEC-93			0.00	0.00	
.2	40	2	LW-31H0.88 BOLT-.3125-18 X .88 LONG HX DR		-P	EA	01-JUN-95			3.00	3.00	R
***1	110	1	R-360-W-011A C'SHAFT IDLER GEARS AC PUMP		-A	EA	19-FEB-05			1.00	1.00	
.2	15	1	23D26777 PLUNGER - FUEL PUMP - LONG		-C	EA	25-JUN-12			1.00	1.00	
.2	21	1	74996-85 -85 GEAR ASSY-C'SHAFT IDLER-PL		--	EA	01-DEC-93			0.00	0.00	

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Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA

Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable- Date	Comments	Qty	Extended Qty	ECO
.2	22	1	74996 GEAR ASSY-CRANKSHAFT IDLER-PLN	-J	EA	23-OCT-12				1.00	1.00	
.2	40	1	75072-85 -85 GEAR ASSY-C' SHAFT IDLER	--	EA	01-DEC-93				0.00	0.00	
.2	41	1	75072 GEAR ASSY-CRANKSHAFT IDLER	-J	EA	23-OCT-12				1.00	1.00	
***1	120	1	R-360-W-012 ACC HSG-20 SERIES MAG	--	EA	19-FEB-05				1.00	1.00	
.2	10	1	73818 GASKET-ACCESSORY HOUSING	-N	EA	04-DEC-93				1.00	1.00	R
.2	20	1	21A21533-04-85 -85 HOUSING ASSY-ACCY-STUDDING	-!	EA	21-MAR-94				1.00	1.00	
.2	30	1	21A21533-04 HOUSING ASSY-ACCY- STUDDING	-L	EA	03-JAN-22				0.00	0.00	
***1	130	1	R-360-W-013 OIL PUMP-AC FUEL PUMP DR	-A	EA	19-FEB-05				1.00	1.00	
.2	10	1	78531-85 -85 BODY-OIL PUMP	-!	EA	01-DEC-93				0.00	1.00	
.2	15	1	78531 BODY ASSY-OIL PUMP	-T	EA	23-OCT-12				0.00	0.00	
.2	20	1	LW-18110 IMPELLER ASSY-OIL PUMP DRIVEN	-B	EA	01-DEC-93				0.00	0.00	
.2	30	1	LW-18110-85 -85 IMPELLER ASSY- OIL PUMP DR.	--	EA	08-FEB-94				0.00	1.00	
.2	40	1	61174 SHAFT-OIL PUMP DRIVE	AB	EA	01-DEC-93				1.00	1.00	
.2	50	1	61174-85 -85 SHAFT-OIL PUMP DRIVEN	--	EA	01-JAN-80				0.00	0.00	
.2	60	1	LW-18109 IMPELLER-OIL PUMP DRIVEN	-P	EA	01-DEC-93				0.00	0.00	
.2	70	1	LW-18109-85 -85 IMPELLER-OIL PUMP DRIVEN	--	EA	08-FEB-94				0.00	1.00	
.2	80	1	STD-35 WASHER-.3125 PLAIN	-L	EA	01-DEC-93				3.00	3.00	R

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Job #: Job # : JN810456
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 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

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.2	90	1	STD-1420 NUT-.3125-18 SLOTTED		-K	EA	01-DEC-93			3.00	3.00	R
.2	100	1	STD-1823 LOCKWIRE-.032 DIA		-D	LBS	01-DEC-93			0.00	0.00	
.2	110	1	LW-14260 SEAL-TACHOMETER DRIVE-OIL		-G	EA	01-DEC-93			1.00	1.00	R
.2	120	1	STD-8 WASHER-.250 PLAIN		-P	EA	01-DEC-93			12.00	12.00	R
.2	130	1	STD-160 WASHER-.250 LOCK INT.TEETH		AA	EA	01-DEC-93			12.00	12.00	R
.2	140	1	LW-25-0.94 BOLT-.250-20 X .94 LONG HEX		-L	EA	01-DEC-93			9.00	9.00	R
.2	150	1	LW-25-1.13 BOLT-.250-20 X 1.13 LONG HEX		-L	EA	01-DEC-93		IF THIS BOLT BOTTOMS WHEN INSTALLING -85 ACCY HOUSING (HOLE BELOW RIGHT MAG), USE LW-25-0.94 OR ADD TWO STD-8 WASHERS.	1.00	1.00	R
.2	160	1	LW-25-1.44 BOLT-.250-20 X 1.44 LONG HEX		-K	EA	31-OCT-02			2.00	2.00	R
***1	140	1	O-360-W-014L NO OIL COOLER OUTLET FITTING A		-A	EA	19-FEB-05			1.00	1.00	
.2	10	1	06E19769-0.63 GASKET-ANNULAR- .625 ID		-H	EA	01-JAN-85			1.00	1.00	R
.2	20	1	62417 PLUG-OIL COOLER BY-PASS		-J	EA	01-JAN-85			1.00	1.00	R
.2	30	1	STD-1823 LOCKWIRE-.032 DIA		-D	LBS	01-JAN-85			0.00	0.00	
.2	40	1	STD-784 PLUG-.375-18 NPT ALLEN HEAD		-R	EA	01-JAN-85			2.00	2.00	R
.2	50	1	AN844-10D ELBOW-PIPE		-!	EA	01-JAN-85		APPLY JOHN CRANE PLASTIC LEAD SEAL #2 OR EQUIVALENT. AS VIEWED FROM #4 CYLINDER, ROTATE ELBOW IN THE ACC. HSG. BREATHER BOSS, 30 DEG. FROM 12 O'CLOCK TOWARD 2 O'CLOCK.	1.00	1.00	R
***1	150	1	R-360-W-015G SHORT THROW AWAY		--	EA	19-FEB-05		**LUBRICATE FILTER	1.00	1.00	

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Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable- Date	Comments	Qty	Extended Qty	ECO
			OIL FILTER									
.2	11	1	06B23862	GASKET - OIL FILTER ADAPTER	-D	EA	29-JUN-07		GASKET WITH DOW CORNING COMPOUND DC-4 OR EQUIVALENT AT ASSEMBLY OF ENGINE	1.00	1.00	R
.2	21	2	06B23862	GASKET - OIL FILTER ADAPTER	-D	EA	29-JUN-07		SHIP LOOSE	1.00	1.00	R
.2	30	2	77852-85	-85 OIL FILTER BASE ASSY	--	EA	01-DEC-93			0.00	0.00	
.2	31	2	77852	OIL FILTER BASE ASSEMBLY	-N	EA	10-MAY-17			1.00	1.00	
.2	40	2	LW-13215	OIL FILTER-SHORT, CH48110-1	AA	EA	01-DEC-93		TORQUE FILTER TO 16-18 FT-LB	1.00	1.00	R
.2	60	3	STD-8	WASHER-.250 PLAIN	-P	EA	01-DEC-93			4.00	4.00	R
.2	70	3	STD-160	WASHER-.250 LOCK INT.TEETH	AA	EA	01-DEC-93			1.00	1.00	R
.2	80	3	STD-1411	NUT-.250-20 PLAIN	-P	EA	01-DEC-93			1.00	1.00	R
.2	90	3	LW-25-1.00	BOLT-.250-20 X 1.00 LONG HEX	-L	EA	03-APR-02			3.00	3.00	R
.2	100	4	STD-160	WASHER-.250 LOCK INT.TEETH	AA	EA	03-APR-02			3.00	3.00	R
.2	110	4	53E22144	VALVE ASSY-TEMP CONT. OIL COOL	-C	EA	01-SEP-95			1.00	1.00	
.2	120	4	STD-1823	LOCKWIRE-.032 DIA	-D	LBS	01-DEC-93			0.00	0.00	
.2	130	4	25C-10	STUD-.250-20 X 1.25 LONG	-U	EA	01-DEC-93		ASSEMBLE IN ACC. HSG. FILTER PAD AT LOWER LEFT TAPPED HOLE, DRIVEN HEIGHT OF STUD .60-.64	1.00	1.00	R
***1	160	1	R-360-W-016	VACUUM PUMP DRIVE	--	EA	19-FEB-05			1.00	1.00	
.2	10	1	61183	GASKET-ACCESSORY ADAPTER	-N	EA	01-DEC-93			1.00	1.00	R
.2	20	1	61098-85	-85 ADAPTER ASSY- VACUUM PUMP	--	EA	01-DEC-93			0.00	0.00	

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Report Date: 29-DEC-2022 15:57

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Explosion Level: 3
 Implemented Only: Yes
 Display Option: Future and current
 Explosion Quantity: 1.00

Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
.2	21	1	61098	ADAPTER ASSY-VACUUM PUMP	-J	EA	28-JAN-14			1.00	1.00	
.2	25	1	72970	GEAR ASSY-VACUUM PUMP DRIVEN	-C	EA	29-OCT-12			1.00	1.00	
.2	30	1	72970-85	-85 GEAR ASSY-VAC PUMP DRIVEN	--	EA	01-DEC-93			0.00	0.00	
.2	40	1	71596	WASHER-ACCESSORY DRIVE GEAR	-G	EA	01-DEC-93			1.00	1.00	
***1	170	1	O-360-W-017	VACUUM PUMP DRIVE COVER	-A	EA	19-FEB-05			1.00	1.00	
.2	10	1	8313	GASKET-VACUUM PUMP	AA	EA	01-JAN-85			1.00	1.00	R
.2	20	1	60430	COVER-VACUUM PUMP	-V	EA	01-JAN-85			1.00	1.00	R
.2	30	1	STD-8	WASHER-.250 PLAIN	-P	EA	01-JAN-85			4.00	4.00	R
.2	40	1	STD-160	WASHER-.250 LOCK INT.TEETH	AA	EA	01-JAN-85			4.00	4.00	R
.2	50	1	STD-1411	NUT-.250-20 PLAIN	-P	EA	01-JAN-85			4.00	4.00	R
***1	180	1	O-360-W-023	GOV DR PAD COVER NO DRIVE	-A	EA	19-FEB-05			1.00	1.00	
.2	10	1	69551	GASKET-ACCESSORY DRIVE ADAPTER	-L	EA	01-JAN-85			1.00	1.00	R
.2	20	1	69106	COVER-GOVERNOR DR ADAPTER PAD	-H	EA	01-JAN-85			1.00	1.00	R
.2	30	1	STD-35	WASHER-.3125 PLAIN	-L	EA	01-JAN-85			4.00	4.00	R
.2	40	1	STD-475	WASHER-.3125 LOCK-INT. TEETH	-T	EA	01-JAN-85			4.00	4.00	R
.2	50	1	STD-1410	NUT-.3125-18 PLAIN	-T	EA	01-JAN-85			4.00	4.00	R
.2	60	1	STD-783	PLUG-.250-18 NPT-ALLEN	-J	EA	01-JAN-85		ASSEMBLE IN RIGHT C'CASE, FRONT	1.00	1.00	R
***1	190	1	R-360-W-024	SUMP ASSY-CARB IN DWN POSITION	--	EA	19-FEB-05			1.00	1.00	

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57
Page: 10Explosion Level: 3
Implemented Only: Yes
Display Option: Future and current
Explosion Quantity: 1.00Job #: Job # : JN810456
Ser #: Ser # : L-42332-36E
Lot #: Lot # : 005Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: PrimaryUOM: EA Engineering Bill: No
Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
.2	10	1	LW-13353	GASKET-OIL SUMP	-J	EA	17-JAN-94			1.00	1.00	R
.2	30	1	78915-85	-85 SUMP ASSY-OIL	-!	EA	17-JAN-94			1.00	1.00	
.2	32	1	78915	SUMP ASSEMBLY - OIL	-L	EA	10-JAN-22			0.00	0.00	
.2	35	1	78915-1-85	-85 SUMP ASSY-OIL	--	EA	31-JUL-08		NON AEROBATIC ONLY	0.00	0.00	
.2	40	1	STD-551	PLUG-.500-14 NPT SQ HD DRILLED	-J	EA	17-JAN-94			2.00	2.00	R
.2	50	1	STD-1823	LOCKWIRE-.032 DIA	-D	LBS	17-JAN-94			0.00	0.00	
.2	60	1	STD-8	WASHER-.250 PLAIN	-P	EA	17-JAN-94			28.00	28.00	R
.2	70	1	STD-160	WASHER-.250 LOCK INT.TEETH	AA	EA	17-JAN-94			20.00	20.00	R
.2	80	1	LW-25-0.94	BOLT-.250-20 X .94 LONG HEX	-L	EA	17-JAN-94			14.00	14.00	R
.2	90	1	LW-25-1.13	BOLT-.250-20 X 1.13 LONG HEX	-L	EA	17-JAN-94			2.00	2.00	R
.2	100	1	STD-1411	NUT-.250-20 PLAIN	-P	EA	17-JAN-94			12.00	12.00	R
.2	110	1	STD-2229	PLUG-.500 NPT-ALLEN HEAD	-B	EA	17-JAN-94		NOTE: OMIT THESE PLUGS IF 78915-1-85 SUMP IS USED	2.00	2.00	R
***1	200	1	O-360-W-025	OIL SUCTION SCREEN	-B	EA	19-FEB-05			1.00	1.00	
.2	10	1	70484	SCREEN-OIL SUCTION	-F	EA	01-JAN-85			1.00	1.00	R
.2	20	1	06E19769-1.00	GASKET-ANNULAR- 1.000 ID	-H	EA	01-JAN-85			1.00	1.00	R
.2	30	1	LW-12545	PLUG-.62 HX HD X 1.00-20 THD	-B	EA	01-JAN-85			1.00	1.00	R
.2	40	1	STD-1823	LOCKWIRE-.032 DIA	-D	LBS	01-JAN-80			0.00	0.00	
***1	230	1	O-360-W-028R	INTAKE & EXHAUST VALVES STRAIGHT - ROLLER LIFTER (EQ. OF -028)	-B	EA	19-FEB-05			1.00	1.00	
.2	110	2	15B26066	PLUNGER ASSY - HYDRAULIC LIFTER	-H	EA	09-FEB-09			8.00	8.00	26902

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57
Page: 11Explosion Level: 3
Implemented Only: Yes
Display Option: Future and current
Explosion Quantity: 1.00Job #: Job # : JN810456
Ser #: Ser # : L-42332-36E
Lot #: Lot # : 005Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: PrimaryUOM: EA Engineering Bill: No
Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
.2	120	2	15B21319	SOCKET-HYD. TAPPET	-G	EA	02-OCT-04			8.00	8.00	R
.2	130	2	15G23461	SHROUD TUBE ASSY - PUSH ROD	-A	EA	02-OCT-04			8.00	8.00	R
.2	140	2	LW-14995	SPRING-SHROUD TUBE	-F	EA	02-OCT-04			4.00	4.00	R
.2	150	2	LW-12272	LOCKPLATE-SHROUD TUBE	-F	EA	02-OCT-04			4.00	4.00	R
.2	160	2	STD-1411	NUT-.250-20 PLAIN	-P	EA	02-OCT-04			4.00	4.00	R
.2	170	2	01L23459	WASHER-.78 ID X 1.375 OD X .041	-C	EA	02-OCT-04			8.00	8.00	R
.2	180	2	06A23493	SEAL-SHROUD TUBE	-B	EA	14-FEB-05			8.00	8.00	26204 R
.2	190	2	70310	SEAL-SHROUD TUBE	-U	EA	02-OCT-04			8.00	8.00	R
***1	240	1	O-360-W-029U	PUSH RODS & VALVE ROCKERS - ROLLER LIFTER (FOR SHORT REACH) (EQ. OF -029)	--	EA	15-MAY-17			1.00	1.00	
.2	10	1	15F28835-28	ROD ASSEMBLY-PUSH	-A	EA	07-DEC-17			0.00	0.00	28390 R
.2	15	1	15F28835-29	ROD ASSEMBLY-PUSH	-A	EA	03-AUG-17			0.00	0.00	28390 R
.2	20	1	15F28835-30	ROD ASSEMBLY-PUSH	-A	EA	12-MAY-17			8.00	8.00	28390 R
.2	25	1	15F28835-31	ROD ASSEMBLY-PUSH	-A	EA	03-AUG-17			0.00	0.00	28390 R
.2	30	1	15F28835-32	ROD ASSEMBLY-PUSH	-A	EA	07-DEC-17			0.00	0.00	28390 R
.2	35	1	15F28835-33	ROD ASSEMBLY-PUSH	-A	EA	07-DEC-17			0.00	0.00	28390 R
.2	40	1	15F28835-34	ROD ASSEMBLY-PUSH	-A	EA	07-DEC-17			0.00	0.00	28390 R
.2	50	1	17F19357	ROCKER ASS'Y-VALVE	-V	EA	02-OCT-04			8.00	8.00	
.2	60	1	LW-13790	SHAFT-VALVE ROCKER	-L	EA	02-OCT-04			4.00	4.00	R
.2	70	1	LW-12892	THRUST BUTTON-ROCKER SHAFT	-M	EA	02-OCT-04			8.00	8.00	R
.2	80	1	06B26669	GASKET - ROCKER BOX COVER (SILICONE)	-C	EA	01-FEB-19			4.00	4.00	28702 R

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57
Page: 12Explosion Level: 3
Implemented Only: Yes
Display Option: Future and current
Explosion Quantity: 1.00Job #: Job # : JN810456
Ser #: Ser # : L-42332-36E
Lot #: Lot # : 005Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: PrimaryUOM: EA Engineering Bill: No
Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable- Date	Comments	Qty	Extended Qty	ECO
.2	90	1	61247	COVER-ROCKER BOX	AH	EA	02-OCT-04			4.00	4.00	R
.2	100	1	STD-1925	SCREW-.250-20 X .63 LG. PAN HD	-D	EA	02-OCT-04			24.00	24.00	R
.2	110	1	71481	RING-OIL SEAL-.09 DIA X 4.84ID	-R	EA	02-OCT-04			4.00	4.00	R
.2	120	1	74887	SPACER-.52ID X .88OD X .38 THI	-C	EA	02-OCT-04			2.00	2.00	R
.2	130	1	383-B	NUT-.375-24 PLAIN	AE	EA	02-OCT-04			16.00	16.00	R
.2	140	1	STD-2090	NUT-.500-20 PLAIN	-F	EA	02-OCT-04			18.00	18.00	R
***1	250	1	O-360-W-030	CYLINDER HEAD OIL TUBE-STRGT	-E	EA	19-FEB-05			1.00	1.00	
.2	10	1	STD-684	NIPPLE-STRAIGHT-.375 ID HOSE	-K	EA	01-JAN-85			4.00	4.00	R
.2	20	1	STD-1821	HOSE-.38 X 2.50 LONG	U	EA	01-JAN-85			4.00	4.00	R
.2	30	1	LW-15592-5-05	CLAMP-HOSE	-U	EA	01-NOV-21		TIGHTING SCREW OF CLAMP TO BE ON THE TOP SIDE OF ALL OF THE TUBES AND USE IN COMPLETE SETS OF SAME P/N ONLY	0.00	0.00	29205 R
.2	35	1	LW-15592-5-04	CLAMP-.438 OD HOSE	-U	EA	01-NOV-21		USE IN COMPLETE SETS OF SAME P/N ONLY	8.00	8.00	29205 R
.2	40	1	68759	TUBE ASSY-CYL HD OIL DRAIN #1	-J	EA	01-JAN-85			1.00	1.00	R
.2	50	1	68760	TUBE ASSY-CYL HD OIL DRAIN #2	-H	EA	01-JAN-85			1.00	1.00	R
.2	60	1	68761	TUBE ASSY-CYL HD O DR	-J	EA	01-JAN-85			2.00	2.00	R
***1	260	1	R-360-W-031	INTAKE PIPES- UPDRAFT SUMP	--	EA	19-FEB-05			1.00	1.00	
.2	10	1	70485	PIPE-INTAKE	AA	EA	31-MAR-16			4.00	4.00	
.2	11	1	70485-85	-85 PIPE-INTAKE	-!	EA	04-DEC-93			0.00	0.00	
.2	20	1	69603	HOSE-1.75 ID X 2.188 OD	-P	EA	04-DEC-93			4.00	4.00	R

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57

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Explosion Level: 3
 Implemented Only: Yes
 Display Option: Future and current
 Explosion Quantity: 1.00

Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable- Date	Comments	Qty	Extended Qty	ECO
			X 1.75									
.2	30	1	LW-15592-8-28	CLAMP-HOSE	-U	EA	04-DEC-93			8.00	8.00	R
.2	40	1	71973	GASKET-2 BOLT FLANGE- 1.81 ID	-R	EA	04-DEC-93			4.00	4.00	R
.2	50	1	73346	FLANGE-INTAKE PIPE-UPPER (DARK GRAY)	-F	EA	04-DEC-93			4.00	4.00	R
.2	60	1	STD-8	WASHER-.250 PLAIN	-P	EA	04-DEC-93			8.00	8.00	R
.2	70	1	STD-160	WASHER-.250 LOCK INT. TEETH	AA	EA	04-DEC-93			8.00	8.00	R
.2	80	1	LW-25-1.25	BOLT-.250-20 X 1.25 LONG HEX	-L	EA	04-DEC-93			8.00	8.00	R
***1	270	1	R-360-W-032CY	ONE IMPULSE & ONE PLAIN MAG	-A	EA	19-FEB-05			1.00	1.00	
.2	11	1	61665-85	-85 GEAR-MAG-IMP. COUPLING	--	EA	09-FEB-94			0.00	0.00	
.2	12	1	61665	GEAR-MAGNETO-IMPULSE COUPLING	AN	EA	28-JAN-14			1.00	1.00	
.2	20	1	MS9245-44	PIN-.09 DIA X .625 LG-COTTER STYLE D	--	EA	02-MAR-12			2.00	2.00	27301 R
.2	25	1	68C19622	GEAR-MAGNETO	-M	EA	29-OCT-12			1.00	1.00	
.2	31	1	68C19622-85	-85 GEAR-MAGNETO	--	EA	09-FEB-94			0.00	0.00	
.2	40	1	62224	GASKET-MAG ADAPTER	-V	EA	18-JAN-94			1.00	1.00	R
.2	51	1	LW-12706-85	-85 ADAPTER-MAG- IMP. COUPLING	-!	EA	18-JAN-94			1.00	1.00	R
.2	60	1	LW-12681	GASKET-MAGNETO	-J	EA	18-JAN-94			2.00	2.00	R
.2	70	1	66GP-0SANN	MAGNETO-PLAIN 4370	-F	EA	18-JAN-94			1.00	1.00	
.2	80	1	66GC20SFNN	MAGNETO-IMPULSE 4371	-F	EA	18-JAN-94			1.00	1.00	
.2	90	1	67P20406	HARNESS ASSY-SLICK-	-J	EA	18-JAN-94			1.00	1.00	

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57

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Explosion Level: 3
 Implemented Only: Yes
 Display Option: Future and current
 Explosion Quantity: 1.00

Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
			RIGHT-M2992R									
.2	100	1	67P20407	HARNASS ASSY-SLICK- LEFT-M1795R	-J	EA	18-JAN-94			1.00	1.00	
.2	120	1	76734	ZIP STRAP	-E	EA	18-JAN-94			4.00	4.00	R
.2	130	1	66M21195	CLAMP-MAGNETO M3741	-B	EA	18-JAN-94			4.00	4.00	R
.2	140	1	STD-475	WASHER-.3125 LOCK-INT. TEETH	-T	EA	18-JAN-94			4.00	4.00	R
.2	160	1	STD-1410	NUT-.3125-18 PLAIN	-T	EA	18-JAN-94			4.00	4.00	R
.2	170	1	01P19762-1-43	BAG-HARNASS ATTACHING	-R	EA	18-JAN-94		SHIP LOOSE USE LAYOUT LD-4313-43	1.00	1.00	R
..3	10	1	LW-16266-25-25	CLAMP-ONE WIRE	AA	EA	09-AUG-07			4.00	4.00	26641 R
..3	20	1	LW-14060	CLIP-TWO WIRE	-F	EA	01-JAN-88			3.00	3.00	R
..3	30	1	STD-8	WASHER-.250 PLAIN	-P	EA	01-JAN-88			8.00	8.00	R
..3	40	1	STD-1874	SCREW-.250-20 X .81 LG. FILL.	-G	EA	01-JAN-88			6.00	6.00	R
..3	50	1	76734	ZIP STRAP	-E	EA	01-JAN-88			8.00	8.00	R
..3	60	1	LW-16266-25-50	CLAMP	AA	EA	01-JAN-88			1.00	1.00	R
..3	70	1	STD-696	WASHER-.250 PLAIN (THIN)	-K	EA	01-JAN-88			4.00	4.00	R
..3	80	1	STD-1916	SCREW-.250-20 X 1.13 LG.FIL HD	-C	EA	01-JUN-95			3.00	3.00	R
..3	90	1	LW-M-2375	SET OF 2 PLATES- SPARK PLUG CABLE-2 WIRE	-A	EA	01-JAN-88		QTY IS FOR ASSEMBLIES (SNAP TOGETHER 2 M-2375 TO MAKE 1 ASSEMBLY)	2.00	2.00	R
***1	290	1	O-360-W-038	DUAL DIAPHRAGM FUEL PUMP LOW P	-K	EA	19-FEB-05			1.00	1.00	
.2	10	1	60096	GASKET-FUEL PUMP	-T	EA	01-JAN-85			1.00	1.00	R
.2	20	1	LW-15472	FUEL PUMP-DUAL DIAP.- LOW PRESS	AJ	EA	01-JAN-85		**SAME AS 6441271	1.00	1.00	

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57

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Explosion Level: 3
 Implemented Only: Yes
 Display Option: Future and current
 Explosion Quantity: 1.00

Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
.2	30	1	STD-33 WASHER-.375 PLAIN		-L	EA	01-JAN-85			2.00	2.00	R
.2	40	1	STD-1882 SCREW-.375-16 X 1.28 LG SOC DR		-E	EA	01-JAN-85			2.00	2.00	R
.2	50	1	STD-1823 LOCKWIRE-.032 DIA		-D	LBS	01-JAN-80			0.00	0.00	
***1	300	1	O-360-W-039 CYLINDER BAFFLES STRAIGHT VALV		-A	EA	19-FEB-05			1.00	1.00	
.2	10	1	75339 BAFFLE ASSY- INTERCYLINDER		-E	EA	01-JAN-85			2.00	2.00	
.2	20	1	71611 RETAINER-INTERCYLINDER BAFFLE		-J	EA	01-JAN-85			2.00	2.00	R
.2	30	1	71610 HOOK-INTERCYL BAFFLE RETAINER		-H	EA	01-JAN-85			2.00	2.00	R
***1	310	1	O-360-W-040D SPARK PLUG- SHORT,MASSIVE,5/8-24 THD.		-C	EA	19-FEB-05		**SHORT REACH, MASSIVE ELECTRODE, 5/8-24 THD. SPARK PLUG	1.00	1.00	
.2	10	1	1182-E7 SPARK PLUG (CHAMPION P/N REM38E)		AN	EA	07-APR-06			8.00	8.00	26343
.2	20	1	1182-S4 SPARK PLUG (UNISON SPARK PLUG UREM38E)		AL	EA	07-APR-06		USE AS ALTERNATE PART IN COMPLETE ENGINE SETS ONLY	0.00	0.00	26343
***1	320	1	H-360-W-041L -70 MA4-5 CARBURETOR (10-5193)		--	EA	12-DEC-06			1.00	1.00	
.2	10	1	66224 GASKET-CARBURETOR		-M	EA	22-NOV-06		SHIP LOOSE	1.00	1.00	R
.2	20	1	LW-15380-85 -85 CARB.-MA4- 5(10-5193)		-!	EA	22-NOV-06		SHIP LOOSE	0.00	0.00	
.2	21	1	LW-15380-70 -70 CARBURETOR- MA4-5 (10-5193)		--	EA	22-NOV-06		SHIP LOOSE	1.00	1.00	
.2	25	1	61C26049 CARBURETOR - LVC-5- 5BPA AV 10-5193		-F	EA	13-OCT-09		SHIP LOOSE	0.00	0.00	
.2	27	1	61C26049-70 CARBURETOR - LVC- 5-5BPA AV 10-5193		--	EA	29-AUG-22			0.00	0.00	
.2	30	1	STD-35 WASHER-.3125 PLAIN		-L	EA	22-NOV-06		SHIP LOOSE	4.00	4.00	R

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57

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Explosion Level: 3
 Implemented Only: Yes
 Display Option: Future and current
 Explosion Quantity: 1.00

Job #: Job # : JN810456
 Ser #: Ser # : L-42332-36E
 Lot #: Lot # : 005

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary

UOM: EA Engineering Bill: No
 Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable- Date	Comments	Qty	Extended Qty	ECO
.2	40	1	STD-1410 NUT-.3125-18 PLAIN		-T	EA	22-NOV-06		SHIP LOOSE	4.00	4.00	R
.2	50	1	STD-475 WASHER-.3125 LOCK-INT. TEETH		-T	EA	22-NOV-06		SHIP LOOSE	4.00	4.00	R
***1	330	1	O-360-W-042 PIPE PLUGS IN CYL HEAD NO NJEC		--	EA	19-FEB-05			1.00	1.00	
.2	10	1	1102 PLUG-.125 PIPE		AG	EA	01-JAN-85			4.00	4.00	R
***1	340	1	O-360-W-043 EXHAUST FLANGE ATTACHING NUTS		-A	EA	19-FEB-05			1.00	1.00	
.2	10	1	STD-35 WASHER-.3125 PLAIN		-L	EA	01-JAN-85		SHIP LOOSE	8.00	8.00	R
.2	20	1	STD-475 WASHER-.3125 LOCK-INT. TEETH		-T	EA	01-JAN-85		SHIP LOOSE	8.00	8.00	R
.2	30	1	STD-1410 NUT-.3125-18 PLAIN		-T	EA	01-JAN-85		SHIP LOOSE	8.00	8.00	R
***1	350	1	R-360-W-044B OIL LEVEL GAGE LONG EXTENSION		-A	EA	19-FEB-05			1.00	1.00	
.2	10	1	75736 TUBE-OIL LEVEL GAGE- (11.57 LONG)		-R	EA	04-DEC-93		SHIP LOOSE	1.00	1.00	R
.2	20	1	72059 GASKET-OIL LEVEL GAGE		-F	EA	04-DEC-93		SHIP LOOSE	1.00	1.00	R
.2	30	1	STD-1823 LOCKWIRE-.032 DIA		-D	LBS	04-DEC-93		SHIP LOOSE	0.00	0.00	
.2	40	1	74068 RING-OIL LEVEL GAGE PLUG		-H	EA	04-DEC-93		SHIP LOOSE	1.00	1.00	R
.2	50	1	LW-16783-18-85 -85 GAGE-OIL LEVEL		-!	EA	26-JUL-94		SHIP LOOSE	0.00	0.00	
.2	51	1	LW-16783-18 GAGE ASSY-OIL LEVEL		BF	EA	24-APR-18			1.00	1.00	
***1	360	1	O-360-W-046 PIPE PLUGS IN CYL HEADS NO PRI		--	EA	19-FEB-05			1.00	1.00	
.2	10	1	1102 PLUG-.125 PIPE		AG	EA	01-JAN-85			4.00	4.00	R
***1	370	1	O-360-W-047 NAMEPLATE		--	EA	19-FEB-05			1.00	1.00	
.2	10	1	61548 NAMEPLATE		TM	EA	01-JAN-85			1.00	1.00	R

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57
Page: 17Explosion Level: 3
Implemented Only: Yes
Display Option: Future and current
Explosion Quantity: 1.00Job #: Job # : JN810456
Ser #: Ser # : L-42332-36E
Lot #: Lot # : 005Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: PrimaryUOM: EA Engineering Bill: No
Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
.2	20	1	STD-1901	DRIVE STUD-#4 X .190 LG-RD HD	-D	EA	01-JAN-85			4.00	4.00	R
***1	380	1	O-360-W-051D	GASKET-EXH FLANGE	-!	EA	19-FEB-05			1.00	1.00	
.2	10	1	77611	GASKET-EXHAUST FLANGE	-L	EA	01-JAN-85		SHIP LOOSE	4.00	4.00	R
***1	385	1	TD-4CYL-O 4	CYL CARB ENG TEARDOWN	-!	EA	19-FEB-05			1.00	1.00	
.2	10	1	C-O-320-H2AD	CORE RETURN	-!	EA	01-JAN-80			1.00	1.00	
***1	210	210	H-360-W-026M	PISTON-RINGS NITR CYL-STRGT VV	--	EA	12-MAY-21			1.00	1.00	
.2	11	1	14D23912	PISTON-COMPRESSION RATIO 8.50:1	-M	EA	12-MAY-21			4.00	4.00	
.2	20	1	LW-14078	PIN-PISTON	-L	EA	12-MAY-21			4.00	4.00	
.2	21	1	LW-14078-85	-85 PIN-PISTON	--	EA	12-MAY-21			0.00	0.00	
.2	22	1	LW-14078-70	-70 PIN - PISTON	--	EA	12-MAY-21			0.00	0.00	
.2	30	1	72198	PLUG-PISTON PIN	-P	EA	12-MAY-21			8.00	8.00	R
.2	40	1	74241	RING-PISTON-COMP-5.125 BORE	AR	EA	12-MAY-21			8.00	8.00	R
.2	50	1	14H21950	RING-PISTON-OIL-5.125 BORE	-E	EA	12-MAY-21			0.00	0.00	
.2	55	1	14H29884	RING ASSY - PISTON - OIL REGULATING, EXPANDER TYPE	-B	EA	08-AUG-22			4.00	4.00	R
***1	220	210	O-360-W-027	NITRIDED CYL STRGT VALVE HEAD	-T	EA	19-FEB-05			1.00	1.00	
.2	10	1	16G30080-0101	CYLINDER HEAD & VALVE ASSY (PARALLEL VALVE)	-D	EA	02-JAN-19			4.00	4.00	28622
..3	10	1	16A30080-01	CYLINDER & HEAD ASSY (5.125 BORE) (4.375 STROKE)	-C	EA	17-FEB-18			1.00	4.00	
..3	20	1	17A23938	VALVE - INTAKE	-G	EA	17-FEB-18			1.00	4.00	

Bill of Material Structure Report

Report Date: 29-DEC-2022 15:57
Page: 18Explosion Level: 3
Implemented Only: Yes
Display Option: Future and current
Explosion Quantity: 1.00Job #: Job # : JN810456
Ser #: Ser # : L-42332-36E
Lot #: Lot # : 005Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: PrimaryUOM: EA Engineering Bill: No
Revision: -- Date: 29-DEC-22

Components

Level	Item Seq	Op Seq	Item	Description	Rev	UOM	Effect- Date	Disable Date	Comments	Qty	Extended Qty	ECO
..3	30	1	17B23936 VALVE - EXHAUST		-G	EA	17-FEB-18			1.00	4.00	
..3	40	1	LW-11800 SPRING-VALVE-OUTER (BLUE)		AE	EA	01-JUL-21			0.00	0.00	29191
..3	45	1	17D29060 SPRING - VALVE - OUTER (ORANGE)		-B	EA	01-JUL-21			2.00	8.00	29191
..3	50	1	LW-11795 SPRING-VALVE-INNER (BLUE)		AG	EA	01-JUL-21			0.00	0.00	29191
..3	55	1	17D29055 SPRING - VALVE - AUXILLARY (ORANGE)		-B	EA	01-JUL-21			2.00	8.00	29191
..3	60	1	LW-10077 SEAT-VALVE SPRING- UPPER INTAKE		-V	EA	17-FEB-18			1.00	4.00	R
..3	70	1	LW-16475 SEAT-VALVE SPRING- UPPR.EXHAUST		-K	EA	17-FEB-18			1.00	4.00	R
..3	80	1	65441 SEAT-VALVE SPRING-LOWER INTAKE		AN	EA	17-FEB-18			1.00	4.00	R
..3	90	1	LW-13323 SEAT-VALVE SPRING- LOWER EXHAUST		-P	EA	17-FEB-18			1.00	4.00	R
..3	100	1	60009 KEY - VALVE		AE	EA	17-FEB-18			2.00	8.00	R
..3	110	1	17C21191 KEY-VALVE-EXHAUST		-A	EA	17-FEB-18			2.00	8.00	R
..3	120	1	17C19386 CAP-VALVE STEM- EXHAUST (ROTATOR		-D	EA	17-FEB-18			1.00	4.00	R
..3	130	1	MS20823-6D ELBOW-45 DEG-.375 FLARED TUBE		-!	EA	17-FEB-18			1.00	4.00	R

***** End of Report *****

Explosion Level: 3
Implemented Only: Yes
Display Option: Future and current
Explosion Quantity: 1.00

Job #: Job # : JN810456
Ser #: Ser # : L-42332-36E
Lot #: Lot # : 005

Ship Loose Part # & Desc.	Quantity	Comments
66224 GASKET-CARBURETOR	1 ✓	SHIP LOOSE
LW-15380-85 -85 CARB.-MA4-5(10-5193)	0	SHIP LOOSE
LW-15380-70 -70 CARBURETOR-MA4-5 (10-5193)	1 1/17/23	SHIP LOOSE
61C26049 CARBURETOR - LVC-5-5BPA AV 10-5193	0	SHIP LOOSE
STD-35 WASHER-.3125 PLAIN	4 ✓	SHIP LOOSE
STD-1410 NUT-.3125-18 PLAIN	4 ✓	SHIP LOOSE
STD-475 WASHER-.3125 LOCK-INT. TEETH	4 ✓	SHIP LOOSE
STD-35 WASHER-.3125 PLAIN	8 ✓	SHIP LOOSE
STD-475 WASHER-.3125 LOCK-INT. TEETH	8 ✓	SHIP LOOSE
STD-1410 NUT-.3125-18 PLAIN	8 ✓	SHIP LOOSE
75736 TUBE-OIL LEVEL GAGE- (11.57 LONG)	1	SHIP LOOSE
72059 GASKET-OIL LEVEL GAGE	1	SHIP LOOSE
STD-1823 LOCKWIRE-.032 DIA	0	SHIP LOOSE
74068 RING-OIL LEVEL GAGE PLUG	1	SHIP LOOSE
06B23862 GASKET - OIL FILTER ADAPTER	1 ✓	SHIP LOOSE
01P19762-1-43 BAG-HARNESS ATTACHING	1	SHIP LOOSE USE LAYOUT LD-4313-43
LW-16783-18-85 -85 GAGE-OIL LEVEL	1	SHIP LOOSE
77611 GASKET-EXHAUST FLANGE	4 ✓	SHIP LOOSE

VERIFY PARTS PER BILL OF MATERIAL

VERIFY PREVIOUS OPERATION HAS BEEN STAMPED/SIGNED

1ST Build



JN810456

TLW ROUTING REPORT
DETAIL(USD)

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Effective Date: 29-DEC-22
Display Option: Future and currentJOB #: JN810456
SER # : L-42332-36E

NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory: Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

<u>Op Seq</u>	<u>Op Code</u>	<u>Dept.</u>	<u>Effective Date</u>	<u>Disable Date</u>	<u>Lead Time Pct</u>	<u>Count Point</u>	<u>Black- Flush</u>	<u>Minimum Transfer Quantity</u>	<u>Option Dependent</u>	<u>Clock/ Stamp</u>	<u>Date</u>
10	4500	2715	30-MAR-93		0	Yes - autocharge	Yes	1.00	Yes		JAN 06 2023
(*) LAY-UP 4 CYLINDER ENGINES -70											
105	4200		22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		1-9-2023
(*) WASH AND VERIFY PARTS PER BOM, PREP FOR ASSEMBLY -70											
115	4200		22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		JAN 09 2023
() ASSEMBLE CRANKSHAFT ASSY -70 CRANKSHAFT SERIAL NUMBER <u>V25789</u>											



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Effective Date: 29-DEC-22
Display Option: Future and current
NOTE:

JOB #: JN810456
SER # : L-42332-36E

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
120	4503	4790	30-MAR-93		1.05	Yes - autocharge	Yes	1.00	Yes		1/9/23
		(*) INSPECT CRANKSHAFT (Q19)				VERIFY C'SHAFT GEAR P/N PER BOM					
132		4200	22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		1-9-23
		() ASSEMBLE CRANKCASE EXTERNAL -70				CRANKCASE SERIAL NUMBER BB17443					
134		4200	22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		1-9-23
		() ASSEMBLE CRANKCASE INTERNAL -70									



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TLW-MFG

TLW ROUTING REPORT

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Effective Date: 29-DEC-22
Display Option: Future and current
NOTE:

JOB #: JN810456
SER # : L-42332-36E

Item:	HENPL-RT8057	O-360-A4M - ROLLER LIFTER
Alternate:	Primary	Engineering Routing: No
Common Routing:	MHC3 - PRIMARY ENGINE ROUTING	
Comment:	**** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****	

UOM:	HR
Revision:	--
Completion Subinventory:	Completion
Locator:	
Variable Lead Time Days:	5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Variable Lead Time Days: 5.03

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
136		4200	22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		
		() ASSEMBLE CRANKCASE -70 GOVERNOR PRESSURE				CRANKSHAFT END CLEARANCE	.011			PROP	
140	4505	4790	30-MAR-93		1.05	Yes - autocharge	Yes	1.00	Yes		
		(*) INSPECT POWER SECTION (Q19)				A _____ B _____ C _____					
											
											
											
150	4506	4210	30-MAR-93		1.05	Yes - autocharge	Yes	1.00	Yes		
		() BUILD UP ACCY HSG -70				FUEL PUMP PLUNGER YES _____ NO _____					
						FOR SIGN-OFF, REFER TO FORM 2502.					



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Effective Date: 29-DEC-22

Display Option: Future and current

NOTE:**JOB #: JN810456****SER # : L-42332-36E**

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary Engineering Routing: No
 Common Routing: MHC3 - PRIMARY ENGINE ROUTING
 Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
 Revision: --
 Completion Subinventory:
 Completion
 Locator:
 Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
 DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
155	4506	4210	07-APR-09		1.4	Yes - autocharge	Yes	0.00	No		
() BUILD UP SUMP -70 FOR SIGN-OFF, REFER TO FORM 2502.											
160	4507	4790	30-MAR-93		1.76	Yes - autocharge	Yes	1.00	Yes		
(*) INSPECT ACCESSORY HOUSING											
170	4509	4210	16-JUN-93		1.76	Yes - autocharge	Yes	1.00	Yes		
() INSTALL SUMP & HOUSING: OIL SUMP ASSEMBLY NUMBER _____. BEFORE SUMP INSTALLATION, CHECK ENGAGEMENT OF OIL PUMP DRIVE SHAFT AND CRANKSHAFT GEARS. CHECK ENGAGEMENT OF ALL IDLER GEARS BY MOVING GEARS FORE & AFT ON IDLER SHAFTS.											



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Effective Date: 29-DEC-22
Display Option: Future and currentJOB #: JN810456
SER # : L-42332-36E

NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
180		4220	05-APR-11		2.09	Yes - autocharge	Yes	0.00	Yes	_____	_____
() BUILD UP CYLINDERS, FOR SIGNOFF REFER TO FORM 2502											
190	4511	4220	30-MAR-93		2.09	Yes - autocharge	Yes	1.00	Yes	_____	_____
() ASSEMBLE PISTONS AND STAGE CYLINDERS. FOR SIGN-OFF, REFER TO FORM 2502.											
210	4513	4220	30-MAR-93		2.56	Yes - autocharge	Yes	1.00	Yes	_____	_____
() INSTALL CYL. ASSEMBLIES -70											



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Effective Date: 29-DEC-22
 Display Option: Future and current
 NOTE:

JOB #: JN810456
 SER # : L-42332-36E

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary Engineering Routing: No
 Common Routing: MHC3 - PRIMARY ENGINE ROUTING
 Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
 Revision: --
 Completion Subinventory:
 Completion
 Locator:
 Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
 DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
220	4515	4220	30-MAR-93		3.29	Yes - autocharge	Yes	1.00	Yes		
		() SET VALVE ACT & INST COVER-70									
230	4516	4790	30-MAR-93		3.77	Yes - autocharge	Yes	1.00	Yes		
		(*) INSPECT VALVE ACTION -70									
240	4517	4240	30-MAR-93		3.77	Yes - autocharge	Yes	1.00	Yes		
		(*) WASH AND DRY ENGINE PER CPC 129									



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Effective Date: 29-DEC-22
Display Option: Future and current
NOTE:

JOB #: JN810456
SER # : L-42332-36E

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
250	4518	4240	30-MAR-93		3.92	Yes - autocharge	Yes	1.00	Yes	_____	_____
() MASK, PAINT, UNMASK ENGINE -70											
260	4519	4250	30-MAR-93		4.73	Yes - autocharge	Yes	1.00	Yes	_____	_____
() INSTALL MAGS & ACCESSORIES RECORD ACTUAL MAGNETO TIMING _____ 2nd ASSEMBLER VERIFY TORQUE											
AND LOCKING OF MAG DRIVE _____ VERIFY MAG ADAPTER GASKETS AND MAGNETO GASKETS ARE INSTALLED PER											
BOM _____ -70											
270	4521	4250	30-MAR-93		5.67	Yes - autocharge	Yes	1.00	Yes	_____	_____
(*) BOM PICK POINT ONLY -----NO SIGNATURE REQUIRED											



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Effective Date: 29-DEC-22

Display Option: Future and current

NOTE:

JOB #: JN810456

SER # : L-42332-36E

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary Engineering Routing: No
 Common Routing: MHC3 - PRIMARY ENGINE ROUTING
 Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
 Revision: --
 Completion Subinventory:
 Completion
 Locator:
 Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
 DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
600	4423	4400	30-MAR-93		5.67	Yes - autocharge	Yes	1.00	Yes		
		() TRIM AND PRE-OIL ENGINE									
		TEMP	OIL PRESSURE	OIL VOLUME							
610	4421	4400	30-MAR-93		6.11	Yes - autocharge	Yes	1.00	Yes		
		() INSTALL ENGINE									
620	4424	4400	30-MAR-93		19.18	Yes - autocharge	Yes	1.00	Yes		
		(*) FINAL TEST/PTS-600 (O'HAUL)									



JN810456

TLW ROUTING REPORT
DETAIL(USD)

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Effective Date: 29-DEC-22

Display Option: Future and current

NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6

Fixed Lead Time Days: 0

DESCRIPTION: L-42332-36E

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
630	4422	4400	30-MAR-93		21.39	Yes - autocharge	Yes	1.00	Yes	_____	_____
		() REMOVE ENG. (OH)									
640	4425	4400	30-MAR-93		21.84	Yes - autocharge	Yes	1.00	Yes	_____	_____
		() PRESERVE & UNTRIM ENGINE (OVERHAUL)									
650	4536	4280	30-MAR-93		22.28	Yes - autocharge	Yes	1.00	Yes	_____	_____
		() REM. SLAVE FILTER/SCREEN W/670									



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TLW ROUTING REPORT DETAIL(USD)

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Effective Date: 29-DEC-22

Display Option: Future and current

NOTE:**JOB #: JN810456****SER # : L-42332-36E**

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary Engineering Routing: No
 Common Routing: MHC3 - PRIMARY ENGINE ROUTING
 Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
 Revision: --
 Completion Subinventory:
 Completion
 Locator:
 Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
 DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
660	4537	4790	30-MAR-93		22.28	Yes - autocharge	Yes	1.00	Yes		
		(*) INSPECT OIL FILTER & PORT(Q18)				RECORD CYLINDER POSITION TORQUE CHECKED					
670	4538	4280	30-MAR-93		22.28	Yes - autocharge	Yes	1.00	Yes		
		() UNTRIM AND ALOX ENGINE AND INSTALL ALTERNATOR BELT				RECORD PRESERVATION DATE:					
700	4539	4280	30-MAR-93		23.4	Yes - autocharge	Yes	1.00	Yes		
		() TRIM ENGINE -70									



JN810456

TLW ROUTING REPORT

DETAIL(USD)

Report: 12/29/2022 15:57 PM

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Effective Date: 29-DEC-22

Display Option: Future and current

NOTE:

JOB #: JN810456

SER # : L-42332-36E

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
 Alternate: Primary Engineering Routing: No
 Common Routing: MHC3 - PRIMARY ENGINE ROUTING
 Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
 Revision: --
 Completion Subinventory:
 Completion
 Locator:
 Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
 DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
730	4541	4280	30-MAR-93		23.5	Yes - autocharge	Yes	1.00	Yes		
		() PRESERVE CARB/INJ FOR SHIPPING. QUALITY CHECK NEEDED IF SEPERATED									
750	4542	4290	30-MAR-93		23.61	Yes - autocharge	Yes	1.00	Yes		
		() WASH & TOUCH-UP PAINT -70									
760	4543	4280	30-MAR-93		24	Yes - autocharge	Yes	1.00	Yes		
		() PREP FOR SHIPPING -70									



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NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
770	4544	4790	30-MAR-93		24.21	Yes - autocharge	Yes	1.00	Yes		
		(*) FINAL INSPECT OH ENGINE (Q18)									
800	4655	4300	07-APR-93		39.02	Yes - autocharge	Yes	1.00	Yes		
		(*) PREPARE FOR SHIPMENT -70									
810	4653	4300	07-APR-93		39.02	Yes - autocharge	Yes	1.00	Yes		
		(*) SET ENGINE DOWN									



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NOTE:

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Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Variable Lead Time Days: 5.03

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
820	4654	4300	07-APR-93		39.32	Yes - autocharge	Yes	1.00	Yes		
		(*) BOX ENGINE -70									
1000	1662	4790	30-MAR-93		39.84	Yes - autocharge	Yes	1.00	Yes		
		ENGINE LEAD TIME									

***** END OF REPORT *****



JN810456

TLW-MFG

TLW ROUTING REPORT

Report: 1/10/2023 14:34 PM

VERIFY PARTS PER BILL OF MATERIAL

VERIFY PREVIOUS OPERATION HAS BEEN STAMPED/SIGNED

2nd Build
1/11/23



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Effective Date: 10-JAN-2023

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NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6

Fixed Lead Time Days: 0

DESCRIPTION: L-42332-36E

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
10	4500	2715	30-MAR-93		0	Yes - autocharge	Yes	1.00	Yes		JAN 11 2023
(*) LAY-UP 4 CYLINDER ENGINES -70											
105	4200		22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		1/11/23
(*) WASH AND VERIFY PARTS PER BOM, PREP FOR ASSEMBLY -70											
115	4200		22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		JAN 11 2023
() ASSEMBLE CRANKSHAFT ASSY -70											
CRANKSHAFT SERIAL NUMBER <u>V25789</u>											
replace crankshaft oil seal only											



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NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
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Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

<u>Op Seq</u>	<u>Op Code</u>	<u>Dept.</u>	<u>Effective Date</u>	<u>Disable Date</u>	<u>Lead Time Pct</u>	<u>Count Point</u>	<u>Black- Flush</u>	<u>Minimum Transfer Quantity</u>	<u>Option Dependent</u>	<u>Clock/ Stamp</u>	<u>Date</u>
120	4503	4790	30-MAR-93		1.05	Yes - autocharge	Yes	1.00	Yes		JAN 11 2023
		(') INSPECT CRANKSHAFT (Q19)				VERIFY C'SHAFT GEAR P/N PER BOM					
132		4200	22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		1/11/23
		() ASSEMBLE CRANKCASE EXTERNAL -70				CRANKCASE SERIAL NUMBER					
						3317443					
134		4200	22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		1/11/23
		() ASSEMBLE CRANKCASE INTERNAL -70									



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Effective Date: 10-JAN-2023
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SER # : L-42332-36E

NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
136	4200		22-AUG-05		1.05	Yes - autocharge	Yes	1.00	No		1-11-23
	() ASSEMBLE CRANKCASE -70					CRANKSHAFT END CLEARANCE	.011			PROP	
	GOVERNOR PRESSURE										
140	4505	4790	30-MAR-93		1.05	Yes - autocharge	Yes	1.00	Yes		1-11-23
	(*) INSPECT POWER SECTION (Q19)					A _____ B _____ C _____					
											
150	4506	4210	30-MAR-93		1.05	Yes - autocharge	Yes	1.00	Yes		
	() BUILD UP ACCY HSG -70					FUEL PUMP PLUNGER YES _____ NO _____					
						FOR SIGN-OFF, REFER TO FORM 2502.					



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SER # : L-42332-36E

NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Variable Lead Time Days: 5.03

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
155	4506	4210	07-APR-09		1.4	Yes - autocharge	Yes	0.00	No		
() BUILD UP SUMP -70 FOR SIGN-OFF, REFER TO FORM 2502.											
160	4507	4790	30-MAR-93		1.76	Yes - autocharge	Yes	1.00	Yes		1-11-23
(*) INSPECT ACCESSORY HOUSING											
170	4509	4210	16-JUN-93		1.76	Yes - autocharge	Yes	1.00	Yes		1-11-23
() INSTALL SUMP & HOUSING: OIL SUMP ASSEMBLY NUMBER 78915-85 BEFORE SUMP INSTALLATION, CHECK ENGAGEMENT OF OIL PUMP DRIVE SHAFT AND CRANKSHAFT GEARS. CHECK ENGAGEMENT OF ALL IDLER GEARS BY MOVING GEARS FORE & AFT ON IDLER SHAFTS.											



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NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory: Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
180		4220	05-APR-11		2.09	Yes - autocharge	Yes	0.00	Yes	_____	_____
() BUILD UP CYLINDERS, FOR SIGNOFF REFER TO FORM 2502											
190	4511	4220	30-MAR-93		2.09	Yes - autocharge	Yes	1.00	Yes	_____	_____
() ASSEMBLE PISTONS AND STAGE CYLINDERS. FOR SIGN-OFF, REFER TO FORM 2502.											
210	4513	4220	30-MAR-93		2.56	Yes - autocharge	Yes	1.00	Yes	_____	_____
() INSTALL CYL. ASSEMBLIES -70											

1/3
2/4
1/11/23



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TLW-MFG

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NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
220	4515	4220	30-MAR-93		3.29	Yes - autocharge	Yes	1.00	Yes		1/12/23
		() SET VALVE ACT & INST COVER-70									
230	4516	4790	30-MAR-93		3.77	Yes - autocharge	Yes	1.00	Yes		1-12-23
		(*) INSPECT VALVE ACTION -70									
240	4517	4240	30-MAR-93		3.77	Yes - autocharge	Yes	1.00	Yes		1-12-23
		(*) WASH AND DRY ENGINE PER CPC 129									



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NOTE:

JOB #: JN810456

SER # : L-42332-36E

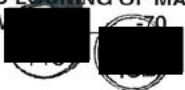
Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
250	4518	4240	30-MAR-93		3.92	Yes - autocharge	Yes	1.00	Yes		1-12-23
() MASK, PAINT, UNMASK ENGINE -70											
260	4519	4250	30-MAR-93		4.73	Yes - autocharge	Yes	1.00	Yes		1/12/2023
() INSTALL MAGS & ACCESSORIES AND LOCKING OF MAG DRIVE BOM  											
RECORD ACTUAL MAGNETO TIMING <u>250</u> VERIFY MAG ADAPTER GASKETS AND MAGNETO GASKETS ARE INSTALLED PER 2nd ASSEMBLER VERIFY TORQUE											
270	4521	4250	30-MAR-93		5.67	Yes - autocharge	Yes	1.00	Yes		1/12/23
(*) BOM PICK POINT ONLY -----NO SIGNATURE REQUIRED											



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TLW-MFG

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NOTE:

Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
600	4423	4400	30-MAR-93		5.67	Yes - autocharge	Yes	1.00	Yes		1-13-23
() TRIM AND PRE-OIL ENGINE											
TEMP <u>166</u> OIL PRESSURE <u>89</u> OIL VOLUME <u>8</u>											
610	4421	4400	30-MAR-93		6.11	Yes - autocharge	Yes	1.00	Yes		1-16-23
() INSTALL ENGINE											
620	4424	4400	30-MAR-93		19.18	Yes - autocharge	Yes	1.00	Yes		1-16-23
(*) FINAL TEST/PTS-600 (O'HAUL)											



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Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

Fixed Lead Time Days: 0

Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
630	4422	4400	30-MAR-93		21.39	Yes - autocharge	Yes	1.00	Yes		1-16-23
		() REMOVE ENG. (OH)									
640	4425	4400	30-MAR-93		21.84	Yes - autocharge	Yes	1.00	Yes		1-16-23
		() PRESERVE & UNTRIM ENGINE (OVERHAUL)									
650	4536	4280	30-MAR-93		22.28	Yes - autocharge	Yes	1.00	Yes		1/16/23
		() REM. SLAVE FILTER/SCREEN W/670									



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NOTE:

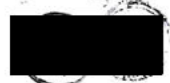
Item: HENPL-RT8057 O-360-A4M - ROLLER LIFTER
Alternate: Primary Engineering Routing: No
Common Routing: MHC3 - PRIMARY ENGINE ROUTING
Comment: **** PROCESS EB-360 SHOULD BE USED FOR THIS ENGINE ****

UOM: HR
Revision: --
Completion Subinventory:
Completion
Locator:
Variable Lead Time Days: 5.03

Processing Lead Time Days: 6
DESCRIPTION: L-42332-36E

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Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
660	4537	4790	30-MAR-93		22.28	Yes - autocharge	Yes	1.00	Yes		1-16-23
						(*) INSPECT OIL FILTER & PORT(Q18) RECORD CYLINDER POSITION TORQUE CHECKED	1,2				
670	4538	4280	30-MAR-93		22.28	Yes - autocharge	Yes	1.00	Yes		1/16/23
						() UNTRIM AND ALOX ENGINE AND INSTALL ALTERNATOR BELT RECORD PRESERVATION DATE: 1/16/23					
700	4539	4280	30-MAR-93		23.4	Yes - autocharge	Yes	1.00	Yes		1/16/23
						() TRIM ENGINE -70					



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Operations

Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
730	4541	4280	30-MAR-93		23.5	Yes - autocharge	Yes	1.00	Yes		1-17-22
() PRESERVE CARB/INJ FOR SHIPPING. QUALITY CHECK NEEDED IF SEPERATED											
750	4542	4290	30-MAR-93		23.61	Yes - autocharge	Yes	1.00	Yes	 <i>ilish</i>	1-16-23
() WASH & TOUCH-UP PAINT -70											
760	4543	4280	30-MAR-93		24	Yes - autocharge	Yes	1.00	Yes		1-17-22
() PREP FOR SHIPPING -70											



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Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
770	4544	4790	30-MAR-93		24.21	Yes - autocharge	Yes	1.00	Yes		1/17/23 X
			(*) FINAL INSPECT OH ENGINE (Q18)								
800	4655	4300	07-APR-93		39.02	Yes - autocharge	Yes	1.00	Yes		1/17/23
			(*) PREPARE FOR SHIPMENT -70								
810	4653	4300	07-APR-93		39.02	Yes - autocharge	Yes	1.00	Yes		JAN 17 2023
			(*) SET ENGINE DOWN								



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Op Seq	Op Code	Dept.	Effective Date	Disable Date	Lead Time Pct	Count Point	Black- Flush	Minimum Transfer Quantity	Option Dependent	Clock/ Stamp	Date
820	4654	4300	07-APR-93		39.32	Yes - autocharge	Yes	1.00	Yes		1/17/23
		(*) BOX ENGINE -70									
1000	1662	4790	30-MAR-93		39.84	Yes - autocharge	Yes	1.00	Yes		
		ENGINE LEAD TIME									

***** END OF REPORT *****

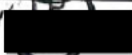
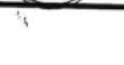


JN810456

JOB NO: JN810456		PART NO: HENPL - RT8057	
Barcode 			
SERIAL NO: L - 42332 - 36E		DATE: JAN 09 2023	
Completed By: 		Insp:  1-11-23	
Acc. Hsg: 21A21533 - 04 - 85			
0-360-A4M		Form No. 2502 REV(6/20/11)	

JOB NO: JN810456		PART NO: HENPL - RT8057	
Barcode 			
SERIAL NO: L - 42332 - 36E		DATE: JAN 09 2023	
Completed By: 			
Sump: 78915 - 85			
0-360-A4M		Form No. 2502 REV(6/20/11)	

JOB NO: JN810456		PART NO: HENPL - RT8057	
Barcode 			
SERIAL NO: L - 42332 - 36E		DATE: 1/11/23	
Cyl #1	3122 8564 031	Cyl #2	4522 8566 - 007
Cyl #3	4522 8566 069	Cyl #4	4522 8566 - 067
Cyl #5		Cyl #6	
Cyl #7		Cyl #8	
Cylinders: 16A30080 - 01			
			
O - 360 - A4M			
Form No. 2502 REV(6/20/11)			

JOB NO: JN810456		PART NO: HENPL - RT8057	
Barcode 			
SERIAL NO: L - 42332 - 36E		DATE: 1-9-23	
Verify piston parts and assemble pistons	Completed By: 		
Install stabilizers when required	Completed By: 		
Verify part numbers for cylinders	Completed By: 		
Assemble and test Cylinders	Completed By: 		
			
O - 360 - A4M			
Form No. 2502 REV(6/20/11)			

Warehouse TLW-MFG

TLW MOVE ORDER PICK SLIP

Page 1 of 1

MOVE ORDER: 684468

JOB: JN810456

ASSEMBLY: HENPL-RT8057

JOB DESC: L-42332-36E

LOT: 005

OPER SEQ: 10

ASSEMBLY: O-360-A4M - ROLLER LIFTER

PICKER: 9808

LINE NO	PART NUMBER	DESCRIPTION	REV	LOCATOR	UOM	QTY	PICKED
Pending 2	LW-15380-70			070.KR4.44.00.	EA	1	
	-70 CARBURETOR-MA4-5 (10-5193)						

*** END OF PICKLIST ***



Report Date: 03-JAN-2023 11:38

Warehouse TLW-MFG

TLW MOVE ORDER PICK SLIP

Page 1 of 1

MOVE ORDER: 684853

JOB: JN810456

ASSEMBLY: HENPL-RT8057

JOB DESC: L-42332-36E

LOT: 005

OPER SEQ: 10

ASSEMBLY: O-360-A4M - ROLLER LIFTER

PICKER: 9808

<u>LINE NO</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>REV</u>	<u>LOCATOR</u>	<u>UOM</u>	<u>QTY</u>	<u>PICKED</u>
Pending 1	13B27134-70	-70 CRANKSHAFT & BUSHING ASSY		070.CRK.00.00.	EA	1	1

*** END OF PICKLIST ***



Report Date: 05-JAN-2023 14:59

Warehouse TLW-MFG

TLW MOVE ORDER PICK SLIP

Page 1 of 1

MOVE ORDER: 684265

JOB: JN810456

ASSEMBLY: HENPL-RT8057

JOB DESC: L-42332-36E

LOT: 005

OPER SEQ: 10

ASSEMBLY: O-360-A4M - ROLLER LIFTER

PICKER: 2808

<u>LINE NO</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>REV</u>	<u>LOCATOR</u>	<u>UOM</u>	<u>QTY</u>	<u>PICKED</u>
Pending 1	LW-11750-85			085.KR4.09.00.	EA	4	4
	-85 ROD ASSY-CONNECTING-MACH						
Pending 14	21A21533-04-85			085.KR4.15.00.	EA	1	1
	-85 HOUSING ASSY-ACCY-STUDDING						
Pending 4	LW-13796-85			085.KR4.41.A.	EA	2	2
	-85 SHAFT-C'SHAFT IDLER GEAR						
Pending 35	78915-85			085.SMP.03.03.	EA	1	1
	-85 SUMP ASSY-OIL						

*** END OF PICKLIST ***



Warehouse: TLW-MFG

TLW MOVE ORDER PICK SLIP

Page 1 of 1

MOVE ORDER: 684853

JOB: JN810456

ASSEMBLY: HENPL-RT8057

JOB DESC: L-42332-36E

LOT: 005

OPER SEQ: 10

ASSEMBLY: O-360-A4M - ROLLER LIFTER

PICKER: 9808

<u>LINE NO</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>REV</u>	<u>LOCATOR</u>	<u>UOM</u>	<u>QTY</u>	<u>PICKED</u>
Pending 4	18D26098-M03			026.NW.02.00.	EA	4	4
	BEARING - CRANKSHAFT HI-CRUSH THIN WALL						
Pending 3	18A26093-M03			026.NW.06.00.	EA	2	2
	BEARING - CRANKSHAFT - FRONT						

*** END OF PICKLIST ***



Report Date: 05-JAN-2023 14:59

Warehouse TLW-MFG

TLW MOVE ORDER PICK SLIP

Page 1 of 2

MOVE ORDER: 684265

JOB: JN810456

ASSEMBLY: HENPL-RT8057

JOB DESC: L-42332-36E

LOT: 005

OPER SEQ: 10

ASSEMBLY: O-360-A4M - ROLLER LIFTER

PICKER: 9808

LINE NO	PART NUMBER	DESCRIPTION	REV	LOCATOR	UOM	QTY	PICKED
Pending 15	53E22144	VALVE ASSY-TEMP CONT. OIL COOL		026.003.08.B.	EA	1	1
Pending 33	77852	OIL FILTER BASE ASSEMBLY		026.004.08.A.	EA	1	1
Pending 6	LW-15472	FUEL PUMP-DUAL DIAP.-LOW PRESS		026.012.01.A.	EA	1	1
Pending 29	75339	BAFFLE ASSY-INTERCYLINDER		026.BAF.01.02.	EA	2	2
Pending 40	15M23452	CAMSHAFT ASSEMBLY, ROLLER LIFTER		026.CAM.04.00.	EA	1	1
Pending 39	11B20161-1SH	CRANKCASE ASSY-ROLLER LIFTER		026.CAS.05.A.	EA	1	1
Pending 7	LW-16783-18	GAGE ASSY-OIL LEVEL		026.DIP.01.B.	EA	1	1
Pending 10	LW-18110	IMPELLER ASSY-OIL PUMP DRIVEN		026.KB.01.01.	EA	1	1
Pending 9	LW-18109	IMPELLER-OIL PUMP DRIVEN		026.KB.01.01.	EA	1	1
Pending 12	13S19646	GEAR-CRANKSHAFT		026.KB.01.02.	EA	1	1
Pending 26	72970	GEAR ASSY-VACUUM PUMP DRIVEN		026.KB.02.02.	EA	1	1
Pending 17	61174	SHAFT-OIL PUMP DRIVE		026.KB.02.02.	EA	1	1
Pending 50	23D26777	PLUNGER - FUEL PUMP - LONG		026.KB.02.02.	EA	1	1
Pending 31	74996	GEAR ASSY-CRANKSHAFT IDLER-PLN		026.KB.02.02.	EA	1	1
Pending 34	78531	BODY ASSY-OIL PUMP		026.KB.02.03.	EA	1	1
Pending 30	76121	SHAFT ASSY-TACHOMETER		026.KB.02.03.	EA	1	1
Pending 32	75072			026.KB.02.03.	EA	1	1



Report Date: 30-DEC-2022 09:47

Warehouse TLW-MFG

TLW MOVE ORDER PICK SLIP

Page 2

MOVE ORDER: 684265

JOB: JN810456

ASSEMBLY: HENPL-RT8057

JOB DESC: L-42332-36E

LOT: 005

OPER SEQ: 10

ASSEMBLY: O-360-A4M - ROLLER LIFTER

PICKER:

9808

LINE NO	PART NUMBER	DESCRIPTION	REV	LOCATOR	UOM	QTY	PICKED
	GEAR ASSY-CRANKSHAFT IDLER						
Pending 22	61098	ADAPTER ASSY-VACUUM PUMP		026.KB.02.04.	EA	1	1
Pending 46	18A26093	BEARING - CRANKSHAFT - FRONT		026.KR3.40.B.	EA	2	2
Pending 47	18D26098	BEARING - CRANKSHAFT HI-CRUSH THIN WALL		026.KR3.40.C.	EA	4	4
Pending 48	18M26105	BEARING - CONNECTING ROD		026.KR3.41.C.	EA	8	8
Pending 23	67P20406	HARNESS ASSY-SLICK-RIGHT-M2992R		026.RR.05.02.	EA	1	1
Pending 24	67P20407	HARNESS ASSY-SLICK-LEFT-M1795R		026.RR.05.02.	EA	1	1
Pending 27	70485	PIPE-INTAKE		026.RR.13.01.	EA	4	4
Pending 25	68C19622	GEAR-MAGNETO		026.RR.16.03.	EA	1	1
Pending 18	61665	GEAR-MAGNETO-IMPULSE COUPLING		026.RR.16.03.	EA	1	1
Pending 20	66GP-0SANN	MAGNETO-PLAIN 4370		026.RR.19.02.	EA	1	1
Pending 11	1182-E7	SPARK PLUG (CHAMPION P/N REM38E)		026.RR.19.02.	EA	8	8
Pending 21	66GC20SFNN	MAGNETO-IMPULSE 4371		026.RR.19.03.	EA	1	1
Pending 28	73346	FLANGE-INTAKE PIPE-UPPER (DARK GRAY)		026.RR.22.02.	EA	4	4
Pending 36	LW-16064	SUPPORT ASSY-STARTER RING GEAR		026.STS.01.A.	EA	1	1

*** END OF PICKLIST ***



Report Date: 30-DEC-2022 09:47



Record of Accessories and Major Parts Shipped with Engine

Model No: **O-360-A4M**Serial No: **L-42332-36E**ENPL: **HENPL-RT8057**Order No: **JN810456**TC No: **E-286**Date: **17-JAN-2023**Inspector: 

All accessories listed are 0 (zero) time since New or 0 (zero) time since Overhaul. All accessories are new unless part number is succeeded by -85 or -70

<u>Part Name</u>	<u>Part Number</u>	<u>Manufacture</u>	<u>Serial#</u>	<u>Setting</u>
Carburetor	LW-15380-70	Avstar	75118414	10-5193
Crankcase Match No	11B20161-1SH		BB17443	
Crankshaft Serial No	13B27134-70		V25789	
Cylinder 1	16A30080-01	Lycoming	31228564-031	
Cylinder 2	16A30080-01	Lycoming	45228566-007	
Cylinder 3	16A30080-01	Lycoming	45228566-069	
Cylinder 4	16A30080-01	Lycoming	45228566-067	
Fuel Pump	LW-15472	Lycoming	49220158	
Ignition Harness - Left	67P20407	SLICK		
Ignition Harness - Right	67P20406	SLICK		
Magneto - Left	66GC20SFNN	SLICK	22011041	Slick pn 4371
Magneto - Right	66GP-0SANN	SLICK	22060147	Slick pn 4370
Spark Plug	1182-E7	Champion		



Airworthiness Directive Compliance List

652 Oliver Street Williamsport, PA 17701 U.S.A.

Sign for AD's Coded 1 (Applicable to engine Model)

Engine Model No: **O-360-A4M**Engine SN: **L-42332-36E****17-JAN-23**

AD No. / Rev	SB / Rev	Description	Method of Compliance	Next Due	Code
59-10-07	254/A-Inactive	Cylinder Baffle Clamps	Baffle Hooks	N/A	1
63-22-03	297/A	Marvel-Schebler MA-4-5 one piece venturi	Serviceable or unaffected unit installed	N/A	1
69-24-03		Marvel Schebler MA-3-A, MA-3-PA, MA-3-SPA, MA-4-SPA, MA-4-5, MA-5, MA-4-5-AA, MA-6AA, and HA-6 Carburetors	Serviceable or unaffected unit installed	N/A-Once	1
75-08-09	381/385/B/C	Oil Pump Drive Shaft	Serviceable or unaffected unit installed	N/A-Once	1
80-06-05	449	Slick Electro Bulletin #1-80	Serviceable or unaffected unit installed	N/A	1
81-16-05		Slick Electro Magneto	Serviceable or unaffected unit installed	N/A-Once	1
89-04-02		Marvel Schebler/Facet MA-4-5, MA-5, and MA-6AA Facet Service Bulletin A1-88	Inspected by SN and replaced as required by supplier	N/A-Once	1
87-10-06/R1	477/A	Inspection & rework of LW-18790 Rocker Arm Assembly	LW-18790 rocker arms not installed	N/A	1
90-04-06/R1	488/A	Propeller Governor Line Support	Installed prop governor line w/ steel nuts & fittings. N/A if not equipped w/ rear-mount prop governor & ext. oil line.	N/A	1
92-12-05	501/B	LW-14077 Piston Pin	Serviceable or unaffected unit installed	N/A	1
96-09-10	524	Oil Pump Impeller replacement	Serviceable or unaffected unit installed	N/A	1
97-15-11	527/C	Recall of Piston Pin P/N LW-14077	Serviceable or unaffected unit installed	N/A	1
2005-19-11	566	Crankshaft replacement	Serviceable or unaffected unit installed	N/A	1
2012-03-07	N/A	Marvel-Schebler Emergency Service Bulletin (SB) No. SB-18	Serviceable or unaffected unit installed	N/A	1
2012-19-01	569/A	CRANKSHAFT REPLACEMENT	Serviceable or unaffected unit installed	N/A	1
2017-16-11	632/B	Inspect Conn Rod Bushing of engine SN in SB	Not affected by SB or replaced	N/A-Once	1
66-20-04	307	Oil Filter Adapter Gasket	AC oil filter not used	N/A	3
67-01-04		STC - Superior Flow Oil Filters	Used genuine Lycoming Parts		3
93-11-11		Fuel Pump Aero Accessories, Inc. Mandatory Service Bulletin No. 001	Serviceable or unaffected unit installed	N/A-Once	3
95-07-01	-	SAP Connecting Rod Bolt failure	Used genuine Lycoming parts	N/A	3
95-26-02	398	Engine operated with Low Octane Fuel	Engine is new or rebuilt at Manufacturer	N/A	3
2004-10-14	475/C	Crankshaft Gear Modification and Assembly procedures	Serviceable or unaffected unit installed	N/A	3
2006-10-21	-	ECI connecting rods P/N AEL11750	Used genuine Lycoming Parts	N/A	3
2006-12-07	-	ECI Cylinder Assemblies P/N AEL65102	Used genuine Lycoming parts	N/A	3
2007-04-19/R1		SAP Cylinder assembly	Used genuine Lycoming parts	N/A	3
2009-26-12		ECI Cylinder assembly	Used genuine Lycoming parts	N/A	3

Std Run-in Data Sheet

Engine # : L-42332-36E	Model # : 0-360-A4M	Order # : JN810456	Preservation : LPS 486
Operator 1: A. HERLOCHER	Accept/Date : <u>AMH 1-16-23</u>	Test Mode : Final	Part 3.2 Test
Operator 2:	Accept/Date : _____	BOM : HENPL-RT8057	Sign : _____
Fuel Serial # : 75118414	Ignition Left : 22011041	Ignition Right : 22060147	
Fuel Slave : NO	Ignit_L Slave : NO	Ignit_R Slave : NO	SW Rev : LSW20001-B LCY
Fuel Curve: C-13316	Float Bowl Connected to Fuel Pump Inlet : YES		Barometer : 29.2
Pre-Oil Temp : 166	Pre-Oil Pres : 89	Setting # : 10-5193	Read Time : 1/16/23 08:30
ETS # : 702	ETS Rev : EC0-26195	Date/Time : 1/16/23 07:50	Test Status : Pass

Comments

Variations

	The following minor variations to the applicable engine test specification were observed during this test and determined to be acceptable 'as is'. The acceptance of these variations will not affect air worthiness or performance.	
	1) _____	
	2) _____	
	3) _____	
	4) _____	
Engr. _____	Q.C. _____	Date _____

When / Test	Low Limit	Value	High Limit	Status
2 Runin @ 1500 for 5 min				
Allowable Speed Variation (RPM)	-75	16.3	75	Pass
Cylinder Head Temperature (DegF)		290.2	500	Pass
Inlet Air Temp (DegF)	0	60.3	110	Pass
5 Runin @ 1800 for 10 min				
Allowable Speed Variation (RPM)	-75	3.6	75	Pass
Cylinder Head Temperature (DegF)		309.3	500	Pass
Inlet Air Temp (DegF)	0	60.4	110	Pass
8 Runin @ 2200 for 10 min				
Allowable Speed Variation (RPM)	-75	1.3	75	Pass
Cylinder Head Temperature (DegF)		360.6	500	Pass
Inlet Air Temp (DegF)	0	61.2	110	Pass
11 MagChk @ 2200 for 1 min				
Magneto Dropoff - Each Mag (RPM)		94.4	150	Pass
Magneto Dropoff - Difference (RPM)		1.8	35	Pass
Cylinder Head Temperature (DegF)		359.1	500	Pass
Inlet Air Temp (DegF)	0	61.3	110	Pass
15 Idle @ 0 for 4 min				
Idle Speed (RPM)	600	661.3	700	Pass
Cylinder Head Temperature (DegF)		299.4	500	Pass
Oil Pressure @ Idle (PSI)	25	48.5		Pass
Inlet Air Temp (DegF)	0	58.8	110	Pass

Std Airflow Data Sheet

Engine #: L-42332-36E	Model #: 0-360-A4M	Order #: JN810456
Operator 1: A. HERLOCHER	Accept/Date: <u>AmH 1-16-23</u>	Test Mode: Final
Operator 2:	Accept/Date: _____	BOM: HENPL-RT8057
Fuel Serial #: 75118414	Ignition Left: 22011041	Ignition Right: 22060147
Fuel Slave: NO	Ignit_L Slave: NO	Ignit_R Slave: NO
Fuel Curve: C-13316	Float Bowl Connected to Fuel Pump Inlet: YES	SW Rev: LSW20001-B LCY
Pre-Oil Temp: 166	Pre-Oil Pres: 89	Setting #: 10-5193
ETS #: 702	ETS Rev: ECO-26195	Date/Time: 1/16/23 08:35
		Barometer: 29.2
		Read Time: 1/16/23 09:22
		Test Status: Pass

Comments

Variations

The following minor variations to the applicable engine test specification were observed during this test and determined to be acceptable 'as is'. The acceptance of these variations will not affect air worthiness or performance.

1) _____
 2) _____
 3) _____
 4) _____
 Engr. _____ Q.C. _____ Date _____

When / Test	Low Limit	Value	High Limit	Status
2 Airflow @ AF-700 for 4 min				
Fuel Flow Limits (PPH)	57	59.51	64.0 @ AF-700	Pass
Cylinder Head Temperature (DegF)		362.4	500	Pass
Inlet Air Temp (DegF)	0	60.2	110	Pass
4 Airflow @ AF-900 for 4 min				
Fuel Flow Limits (PPH)	74.1	77.03	81.1 @ AF-901	Pass
Cylinder Head Temperature (DegF)		392.9	500	Pass
Inlet Air Temp (DegF)	0	61.1	110	Pass
6 Airflow @ AF-1000 for 4 min				
Fuel Flow Limits (PPH)	83.7	84.34	91.7 @ AF-997	Pass
Cylinder Head Temperature (DegF)		412.5	500	Pass
Inlet Air Temp (DegF)	0	61.4	110	Pass
8 Rated @ Rated for 15 min				
Rated Speed (RPM)	2650	2695.8	2750	Pass
Manifold Pressure @ Rated ("HG)	26.5	27.24	28.5	Pass
Fuel Pressure @ Rated (PSI)	1	3.6	6	Pass
Fuel Flow @ Rated (PPH)	82	85.7	@ AF-1060	Pass
Oil Pressure @ Rated (PSI)	75	81.7	85	Pass
Air Flow Limits (PPH)	1029.6	1059.5		Pass
Cylinder Head Temperature (DegF)		429.9	500	Pass
Oil Gallery Temp @ Rated (DegF)	165	179.4	215	Pass
Inlet Air Temp (DegF)	0	61.6	110	Pass
11 Final_Idle @ 0 for 4 min				
Idle Speed (RPM)	600	690.2	700	Pass
Cylinder Head Temperature (DegF)		298.6	500	Pass
Oil Gallery Temp @ Final_Idle (DegF)	140	169	215	Pass
Oil Pressure @ Idle (PSI)	25	49.4		Pass
Manifold Pressure @ Final Idle (In Hg)	8	11.9	17	Pass
Inlet Air Temp (DegF)	0	58.5	110	Pass
13 Manual @ N/A for 0 min				
Acceleration Check (sec)	2	3	5	Pass
Idle Cut-off Time (sec)	0	4	5	Pass



**MANUFACTURING INSPECTION
ENGINE DISASSEMBLY ACCEPTANCE REPORT**

ENGINE MODEL O-360-A4M

SERIAL # RL-31569-36E

DATE REC 11-4-2022

GENERAL CONDITION NOTED AS RECEIVED FACTORY

ACCEPTANCE STAMP	REWORK	STAMP	DATE
FINAL ACCEPTANCE [REDACTED]	STAMP & DATE WHEN COMPLETED IF REWORK IS NECESSARY N/A ALL ITEMS NOT REQUIRED		
S/N ✓25789	1. CLEAN	[REDACTED]	11-9-22
P/N 13B27134	2. VISUALLY IDENTIFY AND INSPECT	[REDACTED]	11-10-22
LATEST P/N 13B27134 - 70	3. POLISH SIDEWALL & RADII	[REDACTED]	11/18/22
	4. MPI	[REDACTED]	12-1-22
	5. STRIP & BLAST [REDACTED] 12-5-22	[REDACTED]	12-5-22
	6. BORE I.D	[REDACTED]	DEC 07 2022
	7. REMOVE DOWEL, POLISH OIL SEAL & PILOT DIAMETER, INSPECT FOR OVERHAUL AS REQUIRED	[REDACTED]	DEC 07 2022
	8. REWORK BOLT HOLE	[REDACTED]	DEC 07 2022
	9. DRIVE DOWEL PIN & PLUG AS REQUIRED	[REDACTED]	DEC 07 2022
	10. GRIND FLANGE, OIL SEAL, AND PILOT AS REQUIRED	[REDACTED]	DEC 07 2022
	11. REWORK PER O.S. _____ AS REQUIRED	[REDACTED]	DEC 07 2022
	12. REWORK PER O.S. _____ AS REQUIRED	[REDACTED]	DEC 07 2022
	13. REWORK PER O.S. _____ AS REQUIRED	[REDACTED]	DEC 07 2022
	14. REWORK PER O.S. _____ AS REQUIRED	[REDACTED]	DEC 07 2022
	15. GAGE COUNTERWEIGHT HOLES	[REDACTED]	DEC 07 2022
	16. GRIND COUNTERBORE FACE, MACHINE HOLES AT GEAR END, AND CHECK BALANCE BEFORE NITRIDE AS REQUIRED	[REDACTED]	DEC 07 2022
	17. PREPARE CRANKSHAFT, WASH, AND NITRIDE AS REQUIRED	[REDACTED]	DEC 07 2022
	18. CHECK RUNOUT AFTER NITRIDE AS REQUIRED	[REDACTED]	DEC 07 2022
	19. POLISH AND CHECK RUNOUT FOR STRAIGHTENING AS REQUIRED	[REDACTED]	DEC 07 2022
	20. STRAIGHTEN AS REQUIRED	[REDACTED]	DEC 07 2022
	21. CHECK RUNOUT AFTER STRAIGHTENING AND MACHINE GEAR END FOR CHROME AS REQUIRED	[REDACTED]	DEC 07 2022
	22. SEND OUTSIDE FOR CHROME AS REQUIRED	[REDACTED]	DEC 07 2022

CRANKSHAFT



SERIAL # RL-31569-36E

GENERAL CONDITION NOTED AS RECEIVED FACTORY

[illegible]

CRANKSHAFT



**MANUFACTURING INSPECTION
ENGINE DISASSEMBLY ACCEPTANCE REPORT**

ENGINE MODEL O-360-A4M

SERIAL # L-43567-36E

DATE REC 12/16/22

GENERAL CONDITION NOTED AS RECEIVED FACTORY

ACCEPTANCE STAMP	REWORK	STAMP	DATE
FINAL ACCEPTANCE [REDACTED]	STAMP & DATE WHEN COMPLETED, IF REWORK IS NECESSARY N/A ALL ITEMS NOT REQUIRED		
P/N 78915-85	1. WASH	[REDACTED]	12-27-22
	2. BLAST	[REDACTED]	12-27-22
	3. VISUALLY EXAMINE	[REDACTED]	DEC 27 2022
	4. REWORK PER DEPT. 85 PROCESSES	[REDACTED]	↑
	5. REWORK PER O.S. _____ AS REQUIRED	[REDACTED]	
	6. REWORK PER O.S. _____ AS REQUIRED	[REDACTED]	
	7. REWORK PER O.S. _____ AS REQUIRED	[REDACTED]	
	8. REWORK PER O.S. _____ AS REQUIRED	[REDACTED]	
	9. WELD REPAIR AS REQUIRED	[REDACTED]	
	10. BLEND WELD AS REQUIRED	[REDACTED]	
	11. DICHROMATE AS REQUIRED	[REDACTED]	
	12. PENETRANT INSPECT (FPI) AS REQUIRED FOR THE FOLLOWING: O.S. REPAIR AND BLENDING/REWORK	[REDACTED]	
	13. X-RAY AS REQUIRED	[REDACTED]	
	14. PRESSURE TEST	[REDACTED]	
	15. RE-WORK TUBES AS REQUIRED	[REDACTED]	DEC 27 2022
	16. INSPECT	[REDACTED]	DEC 28 2022

SUMP



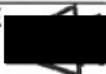
**MANUFACTURING INSPECTION
ENGINE DISASSEMBLY ACCEPTANCE REPORT**

ENGINE MODEL IO-360-A1B6

SERIAL # L-17053-51A

DATE REC 12/29/22

GENERAL CONDITION NOTED AS RECEIVED LEGACY

ACCEPTANCE STAMP	REWORK	STAMP	DATE
FINAL ACCEPTANCE 	STAMP & DATE WHEN COMPLETED, IF REWORK IS NECESSARY N/A ALL ITEMS NOT REQUIRED		
P/N <u>21A71533-04-85</u>	1. WASH		<u>1-4-23</u>
LATEST P/N	2. BLAST		<u>1-4-23</u>
	3. REWORK PER O.S. <u>N/A</u> AS REQUIRED		<u>JAN 05 2023</u>
	4. REWORK PER O.S. <u>N/A</u> AS REQUIRED		<u>1-5-23</u>
	5. REWORK PER O.S. <u>N/A</u> AS REQUIRED		
	6. REWORK PER O.S. <u>N/A</u> AS REQUIRED		
	7. CONVERT FROM <u>N/A</u> TO <u>N/A</u> AS REQUIRED		
	8. COMPLETE ANY ADDITIONAL REPAIRS AS REQUIRED DESCRIBE REPAIRS:		
	9. WELD REPAIR AS REQUIRED		
	10. REWORK WELDED AREAS AS REQUIRED		
	11. EXPERIMENTAL INSPECTION AS REQUIRED		
	12. REWORK OIL SUMP PAD		
	13. ASSEMBLE AS NECESSARY		
	14. WASH		
	15. X-RAY AS REQUIRED		<u>JAN 05 2023</u>
	16. INSPECT		<u>1-5-23</u>

ACCY HOUSING

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 55938149	
4. Organization Name and Address: Avstar Fuel Systems, Inc. 1365 Park Lane South Jupiter Florida 33458 Repair Station No.V1RR580Y				5. Work Order/Contract/Invoice Number: 55938149		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	MA-4-5 Carburetor	10-5193 (LW-15380-70)	1ea	75118414	OVERHAULED	
12. Remarks: Overhauled in accordance with FAA approved data from AVStar Overhaul Specification, Document No: OS 45, Rev: 0, Date: 27/Feb/2013. Pertinent details of the overhaul are on file at this repair station under the work order referenced in block 5. SEE ATTACHED FORM No.: AFS900-F3						
13a. Certifies the item identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval Authorization No:		14b. Authorized Signature:		
				V1RR580Y		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		
				09/Aug/2022		
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



Carburetor MA-4-5 AD, SB & RS COMPLIANCE REPORT

DOC: AFS900-F3

REV: 5

FEBRUARY 18, 2014

AVStar Fuel Systems, Inc. FAA Repair Station V1RR580Y

AD or SB Number	Complied	Method of Compliance	Recurring
Avco SB 366B	8/9/2022	Re torque bowl screws at 100 hr. Intervals	Yes
Avco SB 330B	"	New Style Arm and Shaft Installed	No
Avco SB 297A	"	One Piece Venturi Installed	No
MS SB A1-76	"	Precautionary Instruction Only	No
MS SB A1-69	"	Required Inspection of Drain Plug	No
AD 63-22-3	"	One Piece Venturi Installed	No
AD 69-24-3	"	Inspection of Drain Plug	No
AD 72-6-5	"	New Style Arm and Shaft Installed	No
AD 89-4-2	"	Inspected by Serial Number and Replaced as Required	No
Lycoming SB 582A OR Volare SB-2	"	Compliance with AFS731-WI-5 Brass Float (MF) or Blue Epoxy Float installed	No

FAA Approved Repair Procedures/Specifications	Description	Circle Applicable
AV-001 (Sep 13, 2002)	Repair of float and lever assemblies 30-764, 30-766 & 30-768.	Yes / ☒ No
AV-002 (Oct 10, 2003)	Repairs to improve the fit between the shaft of a metering valve assembly, and the shaft of a pump plunger assembly and their respective throttle body casting.	Yes / ☒ No
AV-003 (Oct 10, 2003)	The helicoil repair of tapped holes in Marvel Schebler type carburetors and Bendix type fuel servo castings	Yes / ☒ No
AV-008 (Nov 9, 2007)	The repair of model MA-3A, MA-3PA, MA3SPA, MA-4SPA and MA-4-5 bowl casting assemblies manufactured by Marvel Schebler, Facet Aerospace and Precision Airmotive Corporation.	Yes / ☒ No
AV-018 (Rev 0)	Carburetor Throttle Shaft Repair.	☒ Yes / No

Work Order No. 55938149

Technician's Signature:

Special Instruction & Nonconformance Record

For Engine Assembly

Model 0-360-A4M Serial No. L-42332-36E Date 1-9-2023

Remarks / Nonconformance	Initial & Date	NC Doc # *	Corrected		By Prod.	Insp. & Date
			Yes	N.A.		
During Assembly:						
Torque Check e Nozzle ☒ Plug in Crankcase	<u>1-9-23</u>		☒			<u>1-9-23</u>
Remove Plug From Filter Base	<u>1-16-23</u>		☒			<u>1-16-23</u>
Cylinder Torque Check After Test # <u>12</u>	<u>1-16-23</u>		☒			<u>1-16-23</u>
Slave Parts Name PN						
Verify finger Screen properly installed	<u>1/16/23</u>		☒			NA
Torque Rocker Box Screws	<u>01-16-23</u>		☒			NA
On AEIO: Verify proper plug and finger screen are installed per BOM and record: Screen PN _____ Screen Length _____ in.	<u>1-17-23</u>			☒		<u>1/17/23</u>
After Operation 760:						
Torque Magneto Hold Down Nuts	<u>1-17-23</u>		☒			NA
Check Allen Plugs in Fuel Manifold	<u>1-17-23</u>			☒		<u>1/17/23</u>
Engine Test Log (T-001) with the engine	<u>1-17-23</u>		☒			<u>1/17/23</u>
Robinson Mag: Mfg Date within 9 months of ship date and OP-3015 and Robinson Contract	<u>1/17/23</u>			☒		<u>1/17/23</u>
Set Down:						
Slave Parts removed, Proper studs installed at proper height	<u>1-17-23</u>		☒			NA
Torque engine mounts	<u>1-17-23</u>			☒		NA
Form 245 Stamped prior to shipment	<u>1/17/23</u>			☒		<u>1/17/23</u>

* NC document (DMR) must be written and processed per appropriate procedures when parts are REPLACED or REMOVED from engine / assembly

Special Instruction & Nonconformance Record
continued

SI	NC	Remarks / Nonconformance	Operation #	Initial & Date	NC Doc #	Corrected		By Prod.	Insp. & Date
						Yes	N.A.		
✓		Attach Data Tag	770	1-17-23		✓			1/17/23
✓		Box: Domestic	880	1/17/23		✓			1/17/23
✓		Verify T-001, and Form 336	660	1-16-23		✓			1-16-23
✓		crankshaft bear propped on floor (main) reinstalled op 134	134	1-11-23	268263	✓			1/11/23
✓		MANUAL TOWER USED ELECT. TO WL, NOT AVAILABLE	210	1-11-23		✓			1-11-23

* NC document (DMR) must be written and processed per appropriate procedures when parts are REPLACED or REMOVED from engine / assembly

CAUTION - SPECIAL INSTRUCTIONS

P/N or
MODEL

16A30080-01

S/N

3/22 8564-031

SPECIAL INSTRUCTIONS:

LYCOMING USE ONLY

Toolmark on rocker box
face

#1

DMR 266 531

Signature

[REDACTED]

Date

11-30-22

Form 2563 (4/15)

ATTACH THIS TAG TO ITEM

ENGINE SERIAL

L-42332-36E

005

INSPECTION ACCEPTANCE

JN810456

JOB NUMBER

O-360-A4M

ENGINE MODEL

HENPL-RT8057

ENPL NO.

11B 20161-1SH

13B 27134-70

M03-M

CUSTOMER

29-DEC-22

DATE

25^c
✓

FORM 602 (Rev. 08/2015)

ENGINE TEST INFORMATION

L. MAG. 22011041 R. MAG. 22060147CARB. OR INJ. PART NO. 10-5193 SER. NO. 75118414

GEN NO. _____ STARTER NO. _____

GREEN BUILD INSP. _____

FINAL RUN ✓ DATE 1-16-23MFG. INSP. _____ OPERATOR [REDACTED]

PENALTY RUN _____ DATE _____

MFG. INSP. _____ OPERATOR _____

FUEL MANIFOLD SER. NO. _____