

Std Run-in Data Sheet

Engine # : L-20559-39E	Model # : 0-320-D3G	Order # : 760	Preservation : LPS 486
Operator 1: [REDACTED]	Accept/Date : _____	Test Mode : Final	Part 3.2 Test
Operator 2:	Accept/Date : _____	BOM : ENPL-RT8885	Sign : _____
Fuel Serial # : AV17142153	Ignition Left : 13041108	Ignition Right : 13050820	
Fuel Slave : NO	Ignit_L Slave : NO	Ignit_R Slave : NO	SW Rev : LSW20001 LGCY
Fuel Curve: C-13084	Float Bowl Connected to Fuel Pump Inlet : YES		Barometer : 29.39
Pre-Oil Temp : 165	Pre-Oil Pres : 98	Setting # : AV10-5217	Read Time : 9/30/14 11:54
ETS # : 706eg180	ETS Rev : EC0-25726	Date/Time : 9/30/14 11:26	Test Status : Review

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	8.4	75	Pass
Cylinder Head Temperature (DegF)		279.9	500	Pass
Inlet Air Temp (DegF)	0	73.2	110	Pass
5 Runin @ 1800 for 5 min				
Allowable Speed Variation (RPM)	-75	14	75	Pass
Cylinder Head Temperature (DegF)		321.8	500	Pass
Inlet Air Temp (DegF)	0	73.4	110	Pass
8 MagChk @ 1800 for 1 min				
Magneto Dropoff - Each Mag (RPM)		113.7	150	Pass
Magneto Dropoff - Difference (RPM)		26.3	35	Pass
Cylinder Head Temperature (DegF)		321.3	500	Pass
Inlet Air Temp (DegF)	0	73.4	110	Pass
10 Runin @ 2200 for 5 min				
Allowable Speed Variation (RPM)	-75	10.4	75	Pass
Cylinder Head Temperature (DegF)		373.9	500	Pass
Inlet Air Temp (DegF)	0	73.7	110	Pass
13 Rated @ Rated for 5 min				
Rated Speed (RPM)	2650	2739.5	2750	Pass
Manifold Pressure @ Rated ("HG)	26.5	27.12	28.5	Pass
Fuel Pressure @ Rated (PSI)	1	3.2	6	Pass
Oil Pressure @ Rated (PSI)	75	81.3	85	Pass
Air Flow Limits (PPH)	883.7	916.2		Pass
Cylinder Head Temperature (DegF)		413	500	Pass
Oil Gallery Temp @ Rated (DegF)	165	178.5	215	Pass
Inlet Air Temp (DegF)	0	74	110	Pass
16 Idle @ 0 for 5 min				
Idle Speed (RPM)	600	700.5	700	Review
Cylinder Head Temperature (DegF)		300.6	500	Pass
Oil Pressure @ Idle (PSI)	25	49.5		Pass
Inlet Air Temp (DegF)	0	77	110	Pass

	TestType/Tests	SetPoint,Dwell	LowLimit	HighLimit	LowMRB	HighMRB
@Runin	Runin	1500,5				
1	Test_SpdVar	Allowable Speed Variation (RPM)	-75	75		
2	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
3	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@Runin	Runin	1800,10				
1	Test_SpdVar	Allowable Speed Variation (RPM)	-75	75		
2	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
3	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@MagChk	Runin	1800,1				
1	Test_MagDropEach	Magneto Dropoff - Each Mag (RPM)		150		10
2	Test_MagDropDiff	Magneto Dropoff - Difference (RPM)		35		2
3	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
4	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@Runin	Runin	2200,10				
1	Test_SpdVar	Allowable Speed Variation (RPM)	-75	75		
2	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
3	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@PropCheck	Runin	N/A,2				
@Idle	Runin	Idle,4				
1	Test_Speed	Idle Speed (RPM)	600	700	100	200
2	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
3	Test_OilP	Oil Pressure @ Idle (PSI)	25		10	
4	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@Airflow	Airflow	AF-300,4				
1	Test_FuelLimits	Fuel Flow Limits (PPH)	C-13084.0	C-13084.0	2.1	2.5
2	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
3	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@Airflow	Airflow	AF-700,4				
1	Test_FuelLimits	Fuel Flow Limits (PPH)	C-13084.0	C-13084.0	2.1	2.5
2	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
3	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@Airflow	Airflow	AF-900,4				
1	Test_FuelLimits	Fuel Flow Limits (PPH)	C-13084.0	C-13084.0	2.1	2.5
2	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
3	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@Rated	Airflow	Rated,15				
1	Test_Speed	Rated Speed (RPM)	2650	2750	25	
2	Test_MP	Manifold Pressure @ Rated ("HG)	26.5	28.5	.5	.5
3	Test_FuelP	Fuel Pressure @ Rated (PSI)	1	6	.1	.2
4	Test_OilP	Oil Pressure @ Rated (PSI)	75	85	.2	.2
5	Test_AirFlowLimits	Air Flow Limits (PPH)	C-13084.0			
6	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
7	Test_OilGalT	Oil Gallery Temp @ Rated (DegF)	165	215	10	5
8	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@Final_Idle	Airflow	Idle,4				
1	Test_Speed	Idle Speed (RPM)	600	700	50	100
2	Test_CylHead_T	Cylinder Head Temperature (DegF)		500		
3	Test_OilGalT	Oil Gallery Temp @ Final_Idle (DegF)	140	215	25	.1
4	Test_OilP	Oil Pressure @ Idle (PSI)	25		10	
5	Test_MP	Manifold Pressure @ Final Idle (In Hg)	8	17	3	.5
6	Test_InletAirT	Inlet Air Temp (DegF)	0	110		
@Manual	Airflow	N/A,0				
1	Test_AccChk	Acceleration Check (sec)	2	5		
2	Test_IdleCOT	Idle Cut-off Time (sec)	0	5		