

Power, Filter & Leak Data Sheet

Engine # : L-32801-48E	Model # : YIO-540-K1H5	Order # : GJ307373	Preservation: LPS 486
Operator 1: [REDACTED]	Accept/Date : _____	Test Mode : Final	Part 3.2 Test
Operator 2:	Accept/Date : _____	BOM : YENPL-RT10505	Sign: _____
Fuel Serial # : 70AF9407	Ignition Left : 07111129	Ignition Right : 07111434	
Fuel Slave : NO	Ignit_L Slave : NO	Ignit_R Slave : NO	SW Rev : LSW20004(-) LYC
Fuel Curve: C-12906-F540	Float Bowl Connected to Fuel Pump Inlet : YES		Barometer : 29.6
Pre-Oil Temp : 165	Pre-Oil Pres : 85	Setting # : 3015016-1	Read Time : 06/18/26 15:02
ETS # : 654_EG180	ETS Rev : ECO-26195	Date/Time : 06/18/26 14:12	Test Status : Review

Comments

Variations

NTSB	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 _____
654_EG180	

When / Test	Low Limit	Value	High Limit	Status
Runin @ 1500 rpm for 5 min				
Allowable Speed Variation (rpm)	-75	0.1	75	Pass
Cylinder Head Temperature (°F)		249.8	475	Pass
Inlet Air Temperature (°F)	0	77	110	Pass
Runin @ 1800 rpm for 5 min				
Allowable Speed Variation (rpm)	-75	0.3	75	Pass
Cylinder Head Temperature (°F)		276.7	475	Pass
Inlet Air Temperature (°F)	0	77.6	110	Pass
Runin @ 2200 rpm for 5 min				
Allowable Speed Variation (rpm)	-75	6.8	75	Pass
Cylinder Head Temperature (°F)		311.5	475	Pass
Inlet Air Temperature (°F)	0	78.1	110	Pass
MagChk @ 2200 rpm for 2 min				
Magneto Dropoff - Each Mag (rpm)		94.2	150	Pass
Magneto Dropoff - Difference (rpm)		5.4	35	Pass
Cylinder Head Temperature (°F)		309.3	475	Pass
Inlet Air Temperature (°F)	0	78.1	110	Pass
Rated @ Rated rpm for 5 min				
Speed (rpm)	2650	2675.7	2750	Pass
Manifold Pressure (in-Hg)	26.5	27.98	28.5	Pass
Fuel Pressure (psi)	18	19.2	28	Pass
Oil Pressure (psi)	75	78.8	85	Pass
Air Flow Limits (pph)	1618.9	1694.7	N/A	Pass
Cylinder Head Temperature (°F)		367.6	475	Pass
Oil Galley Temperature (°F)	165	188.6	215	Pass
Inlet Air Temperature (°F)	0	77.7	110	Pass
Idle @ Idle rpm for 5 min				
Speed (rpm)	600	745.9	700	Review
Cylinder Head Temperature (°F)		277.9	475	Pass
Oil Galley Temperature (°F)	140	186.6	215	Pass
Oil Pressure (psi)	35	51.3	N/A	Pass
Manifold Pressure (in-Hg)	8	15.46	17	Pass
Inlet Air Temperature (°F)	0	82.6	110	Pass
WOT Time (sec)	2	3	5	Pass
Idle Cut-off Time (sec)	0	3	5	Pass

Engine # : L-32801-48E	Model # : Y10-540-K1H5	Order # : GJ307373	Preservation: LPS 486
Operator 1: XXXXXXXXXX	Accept/Date : _____	Test Mode : Final	Part 3.2 Test
Operator 2:	Accept/Date : _____	BOM : YENPL-RT10505	Sign: _____
Fuel Serial # : 70AF9407	Ignition Left : 07111129	Ignition Right : 07111434	
Fuel Slave : NO	Ignit_L Slave : NO	Ignit_R Slave : NO	SW Rev : LSW20004(-) LYC
Fuel Curve: C-12906-F540	Float Bowl Connected to Fuel Pump Inlet : YES		Barometer : 29.6
Pre-Oil Temp : 165	Pre-Oil Pres : 85	Setting # : 3015016-1	Read Time : 06/19/26 08:58
ETS # : 654_EG180	ETS Rev : ECO-26195	Date/Time : 06/19/26 08:27	Test Status : Review

Comments	Variations
NTSB	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.
654_EG180	1) _____ 2) _____ 3) _____ 4) _____ Engr. _____ Q.C. _____ Date _____

When / Test	Low Limit	Value	High Limit	Status
Runin @ 1500 rpm for 5 min				
Allowable Speed Variation (rpm)	-75	0.4	75	Pass
Cylinder Head Temperature (°F)		271.2	475	Pass
Inlet Air Temperature (°F)	0	74.5	110	Pass
Runin @ 1800 rpm for 5 min				
Allowable Speed Variation (rpm)	-75	0.7	75	Pass
Cylinder Head Temperature (°F)		273	475	Pass
Inlet Air Temperature (°F)	0	74.6	110	Pass
Runin @ 2200 rpm for 5 min				
Allowable Speed Variation (rpm)	-75	5	75	Pass
Cylinder Head Temperature (°F)		327.6	475	Pass
Inlet Air Temperature (°F)	0	74.6	110	Pass
MagChk @ 2200 rpm for 2 min				
Magneto Dropoff - Each Mag (rpm)		86.5	150	Pass
Magneto Dropoff - Difference (rpm)		2.3	35	Pass
Cylinder Head Temperature (°F)		333.6	475	Pass
Inlet Air Temperature (°F)	0	74.9	110	Pass
Rated @ Rated rpm for 5 min				
Speed (rpm)	2650	2651.1	2750	Pass
Manifold Pressure (in-Hg)	26.5	27.98	28.5	Pass
Fuel Pressure (psi)	18	19.7	28	Pass
Oil Pressure (psi)	75	78.9	85	Pass
Air Flow Limits (pph)	1623.1	1684.3	N/A	Pass
Cylinder Head Temperature (°F)		348.7	475	Pass
Oil Galley Temperature (°F)	165	187.4	215	Pass
Inlet Air Temperature (°F)	0	75.5	110	Pass
Idle @ Idle rpm for 5 min				
Speed (rpm)	600	757.5	700	Review
Cylinder Head Temperature (°F)		260.2	475	Pass
Oil Galley Temperature (°F)	140	184	215	Pass
Oil Pressure (psi)	35	52	N/A	Pass
Manifold Pressure (in-Hg)	8	15.45	17	Pass
Inlet Air Temperature (°F)	0	77.4	110	Pass
WOT Time (sec)	2	3	5	Pass
Idle Cut-off Time (sec)	0	3	5	Pass