

Previous Screen

Product: MARINE ENGINE
 Model: 3512 MARINE ENGINE 50Y01811
 Configuration: 3512 Marine Engine 50Y01305-UP

Test Spec Number: 0T-7215
Engine Serial Number:
Engine Model: 3512
Combustion: DI
Aspiration: TAJWAC

Test Specification Data

Description	Nominal	Ceiling	Floor
Corr Full Load Power	1750 HP	1803 HP	1697 HP
Full Load Speed	1800 RPM	1810 RPM	1790 RPM
High Idle Speed	1955 RPM	2015 RPM	1895 RPM
Low Idle Speed	650 RPM	660 RPM	640 RPM
Governor Setting Speed	1849 RPM	1854 RPM	1843 RPM
FL Static Fuel Setting	0.547 IN		
FT Static Fuel Setting	0.547 IN		
FLS (Intercept)	0		
FTS (Slope)	0		
Adjusted Boost	28.7 PSI	33.0 PSI	24.4 PSI
Adj Boost at TC RPM	22.3 PSI	25.9 PSI	19.1 PSI
Power Loss/cyl	0.0% C FL PWR	0.0% C FL PWR	0.0% C FL PWR
Inlet Fuel Pressure		6 PSI	0 PSI
Inlet Fuel Temp	86 DEG F	91 DEG F	81 DEG F
Fuel Pressure	74 PSI	99 PSI	49 PSI
Fuel Density		36.0 DEG API	34.0 DEG API
Boost Constant	1.0000		
Governor Setting Constant	0		
Gov Setting Torq	90% RTD TRQ	91% RTD TRQ	89% RTD TRQ
Corrected Fuel Rate	90.7 GAL/HR	97.1 GAL/HR	84.4 GAL/HR
CSFC	0.368 LB/HP-HR	0.387 LB/HP-HR	0.348 LB/HP-HR
Torque Check Speed	1400 RPM	1410 RPM	1390 RPM
Corr Torq Rise AT TC RPM	5.9%	0.0%	0.0%
Corr Torq AT TC RPM	5384 LB/FT	5761 LB/FT	5007 LB/FT
C Fuel Rate At TC RPM	73.1 GAL/HR	78.2 GAL/HR	68.0 GAL/HR
CSFC AT TC RPM	0.360 LB/HP-HR	0.378 LB/HP-HR	0.340 LB/HP-HR
Temp Jacket Water Pump Inlet	192 DEG F	198 DEG F	187 DEG F
Delta T Jacket Water(Out-In)	16 DEG F	25 DEG F	7 DEG F
Temp Engine Water Outlet	0	0	0
Inlet Manifold Temp	32 DEG F	32 DEG F	32 DEG F
Water Temp To SCAC	32 DEG F	32 DEG F	32 DEG F
SCAC Water Flow	0 GAL/min	0 GAL/min	0 GAL/min
Oil Pressure	53.5 PSI	87.0 PSI	48.9 PSI

Oil Pressure Low Idle	31.8 PSI	87.0 PSI	26.8 PSI
Inlet Air Pressure		15 PSI	13 PSI
Inlet Air Restriction		0.58 PSI	0.00 PSI
Inlet Air Temperature		122 DEG F	50 DEG F

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FL Static Fuel Setting	0.567 IN		
FT Static Fuel Setting	0.567 IN		
FLS (Intercept)	0		
FTS (Slope)	0		
Adjusted Boost	28.7 PSI	33.0 PSI	24.4 PSI
Adj Boost at TC RPM	22.3 PSI	25.9 PSI	19.1 PSI
Power Loss/cyl	0.0% C FL PWR	0.0% C FL PWR	0.0% C FL PWR
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Inlet Air Pressure		15 PSI	13 PSI
Inlet Air Restriction		0.58 PSI	0.00 PSI
Inlet Air Temperature		122 DEG F	50 DEG F

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