

# MITSUBISHI MULTI POINT ENGINE INSPECTION CHECKLIST



**MITSUBISHI TURBOCHARGER AND ENGINE AMERICA, INC.**

Date: \_\_\_\_\_

Generator/Pump/Gear Manufacturer: \_\_\_\_\_

Vessel name: \_\_\_\_\_

Total operating hours: \_\_\_\_\_

Model: \_\_\_\_\_

Yearly operating hours: \_\_\_\_\_

Serial number: \_\_\_\_\_

Engine manufacturing date (if available): \_\_\_\_\_

Rated output: \_\_\_\_\_

Total fuel used in gal (if available)/Fuel Meter: \_\_\_\_\_

Average load % : \_\_\_\_\_

Lube oil brand: \_\_\_\_\_

Engine speed rpm/hrtz: \_\_\_\_\_

Coolant brand: \_\_\_\_\_

APPEARANCE	OK	Recommendations																														
Check for oil, fuel and coolant leaks																																
Inspect the thermo labels on the damper If over 90 degrees change damper <b>**Missing Label? Contact MTEA</b>	<table border="1" style="width: 100%; text-align: center;"> <tr> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>75</td> <td>80</td> <td>85</td> <td>90</td> <td>95</td> </tr> <tr> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>100</td> <td>105</td> <td>110</td> <td>115</td> <td>120</td> </tr> <tr> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> <tr> <td>50</td> <td>55</td> <td>60</td> <td>65</td> <td>70</td> </tr> </table>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	75	80	85	90	95	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	100	105	110	115	120	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	50	55	60	65	70	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																												
75	80	85	90	95																												
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																												
100	105	110	115	120																												
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																												
50	55	60	65	70																												
Inspect mounting hardware, tighten bolts and nuts if required																																
Inspect belts for wear and tension																																

LUBE OIL	Recommendations
Inspect oil level and signs of contamination of fuel or coolant <b>** Do not overfill</b>	
Take oil sample for analysis "Need a sample kit? Buy OILSAM10"	

FUEL	Recommendations
Inspect fuel filter and drain water separator	
Inspect injection pipes (including rubber seats and fittings)	
Inspect Injection pump and fuel control links, laminates	

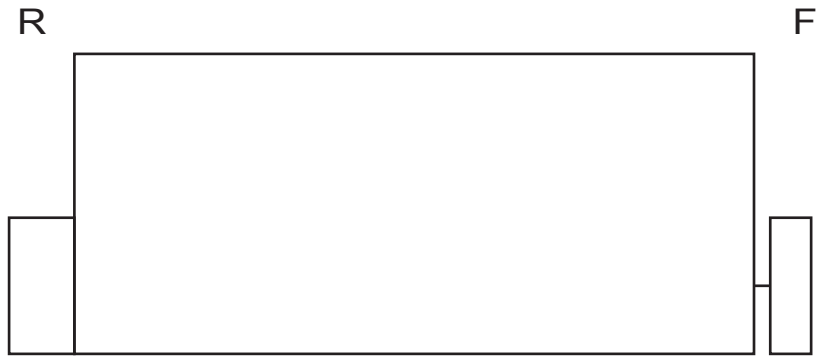
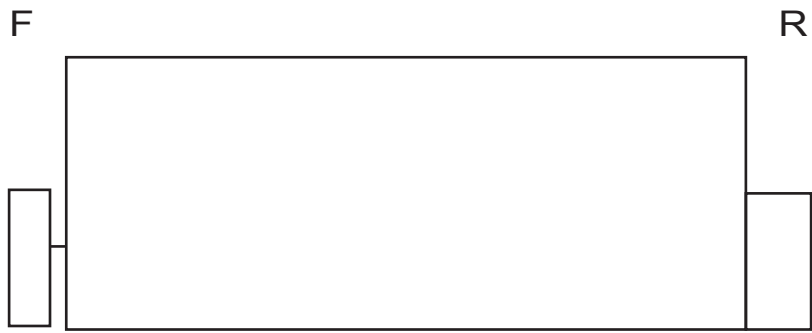
COOLING	Recommendations
Inspect radiator, heat exchangers, and coolant level	
Inspect water pump for leakage	

ELECTRICAL	Recommendations
Inspect battery	
Inspect starter(s)	
Inspect wiring, sensors and actuators	
Inspect solenoid & governor	

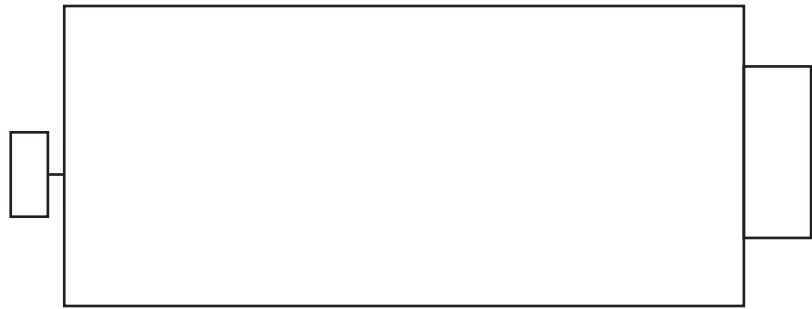
GENERATOR / PUMPS / MARINE GEARS	Recommendations
Grease according to manufacturer recommendation	
Inspect for leaks and loose components	

INTAKE AND EXHAUST	Recommendations
Inspect air filter & filter minder if present Less than 15.7 inches of H2O	
Inspect piping for leaks or loose components	
Inspect charge air cooler for blockage while running the engine under load	

TEST SECTION	Recommendations
Check exhaust gas (color etc.)	
Engine oil pressure _____	
Engine oil temperature _____	
Coolant temperature _____	
Boost pressure _____	



Top View



- Use:
- Oil leaks
  - × Fuel leaks
  - △ Coolant leaks
- F=Front  
R=Rear

**Additional Comments:**

---

---

---

---

---

---

---

---

---

---