



MER Equipment Inc 2400 W Commodore Way Seattle WA 98119  
Phone (206) 286-1817 Fax (206) 286-1917 Toll Free (800) 777-0714

### ROUTINE ENGINE and GENERATOR CHECKLIST

Date \_\_\_\_\_ Work Order \_\_\_\_\_ Customer # \_\_\_\_\_

Company: \_\_\_\_\_

Contact: \_\_\_\_\_

Unit ID: \_\_\_\_\_

#### UNIT POSITION

PORT		STBD		MAIN		AUX		FRONT		REAR	
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#### RATING

KW	KVA	RPM	HP	PHASE

Unit ID or Model # \_\_\_\_\_ S/N \_\_\_\_\_

Gen ID or Model # \_\_\_\_\_ S/N \_\_\_\_\_

Date of Service \_\_\_\_\_ Hours on Unit \_\_\_\_\_

Last service Date \_\_\_\_\_ Hours on Unit \_\_\_\_\_

Last Service done by \_\_\_\_\_

**WHAT POSITION IS OFF ON AUTO**  
**GENERATOR IN AT ARRIVAL:**

#### ENGINE SYSTEMS CHECK LIST:

##### **LUBRICATING SYSTEM**

Oil Filter (S) \_\_\_\_\_  
Engine Oil Used \_\_\_\_\_  
Oil Sample Y/N \_\_\_\_\_  
Oil Leaks \_\_\_\_\_

##### **FUEL SYSTEM**

Fuel Filter/Primary \_\_\_\_\_  
Fuel Filter/Secondary \_\_\_\_\_  
Fuel Leaks \_\_\_\_\_  
Sediment from Tanks \_\_\_\_\_  
Throttle linkage \_\_\_\_\_  
Fuel Sample \_\_\_\_\_

##### **EXHAUST SYSTEM**

Exhaust Leaks \_\_\_\_\_  
Riser & Hoses \_\_\_\_\_  
Flex \_\_\_\_\_  
Exhaust Manifold \_\_\_\_\_  
Turbocharger Cap Screw \_\_\_\_\_  
Thermo Blankets \_\_\_\_\_



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**COOLING SYSTEM**

Water Pump, Fresh  
Water Pump, Raw  
Sea Strainer  
Coolant Level  
Belt condition / Tension  
Pulleys, Bearing wear  
Antifreeze, Good to °F  
Hoses Cracks/Bulges  
Rad. Cap Condition  
Hose Clamps  
Zincs  
Stray frequency check

**AIR INTAKE SYSTEM**

Air Filter Element  
Piping & Connection  
Crank Case Breather

**BASE ENGINE SYSTEM**

Engine Mounts  
Compression test  
Couplings  
Alignment Check

**ELECTRICAL SYSTEM**

Alternator connections  
Ground  
Isolation or Bat. Switch  
Wire harness & Plugs  
Mag Pickup  
Condition of Battery  
Distilled Water/Battery  
Battery Terminals  
Cable Connections

**IGNITION SYSTEM**

Spark plugs  
Cap  
Rotor  
Distributor  
Points  
Starter Relay  
Glow plugs  
Glow plug Relay / lamp  
Ignition switch

**INSTRUMENT PANEL**

Instruments  
Relays  
Safety Shutdown  
Transfer switch



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**GEARBOX ASSY**

Fluid level \_\_\_\_\_  
Leaks \_\_\_\_\_  
Shift linkage \_\_\_\_\_  
Filter \_\_\_\_\_  
Shaft coupling \_\_\_\_\_

**GENERATOR SYSTEM**

Electrical Connection \_\_\_\_\_  
Rear Bearing \_\_\_\_\_  
Voltage Regulator \_\_\_\_\_

**SPARES INSPECT**

\* \_\_\_\_\_  
\* \_\_\_\_\_  
\* \_\_\_\_\_  
\* \_\_\_\_\_  
\* \_\_\_\_\_  
\* \_\_\_\_\_  
\* \_\_\_\_\_  
\* \_\_\_\_\_

**WHAT POSITION IS GENERATOR IN LEAVING:** OFF ON AUTO

**LOAD TEST REPORT**

Oil pressure	Water temp F	Hour meter start	Hour meter stop
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DC Volt meter	Ammeter	RPM / HZ
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Voltage Regulator Stability		Voltage regulator Droop	
High	Low	No load Voltage	Full load voltage

	A	B	C	D	E	F
1		No Load	1/4 Load	1/2 Load	3/4 Load	Full Load
2	V--L1					
3	V--L2					
4	V--L3					
5	A--L1					
6	A--L2					
7	A--L3					
8	Hz					
10	F+ / F-					
11	Time					



## COMMENTS

Last revision 4/7/2009