

# Operation

## Marine Generator Sets



Models:

**14/16/21/24/32/40EKOZD**  
**12/13.5/17/18/20.5/28/35EFKOZD**

Controller:  
Decision Maker® 3500

**KOHLER®**

TP-7044 6/23e

### 3.3 Service Schedule for 32-40EKOZD/28-35EFKOZD Models

Perform Service at Intervals Indicated (X)	Reference Section	Daily	Every 50 Hrs. or 1 Month	Every 250 Hrs. or 3 Months	Every 500 Hrs. or 6 Months	Every 1000 Hrs. or Yearly
<b>FUEL SYSTEM</b>						
Check the fuel level and fill as necessary	Fuel System	X (Before operation)				
Check for any unusual noise †		X (During operation)				
Remove the sediment from the fuel tank and drain the fuel tank †§				X		
Bleed the fuel system (if encountering hard starting)	Fuel System Bleed		X			
Replace the fuel filter cartridge *	Fuel Filter				X	
Fuel/water separator draining, if equipped *†			X			
Fuel/water separator cleaning, if equipped *†					X	
Inspect, clean, and test the fuel injectors *†‡	Eng. S/M					X
Inspect the fuel injection nozzle pressure *†‡	Eng. S/M					X
Replace the fuel line hoses †	Eng. S/M					X (5000 hrs.)
<b>LUBRICATION SYSTEM</b>						
Check the crankcase oil level and add oil as necessary	Oil Check	X (Before operation)				
Replace the oil in the crankcase *	Oil Change		X (Break-in)	X		
Replace the lube oil filter element *	Oil Change		X (Break-in)	X		
<b>COOLING SYSTEM</b>						
Check the coolant level and fill as necessary *	Checking and Filling Coolant	X (Before operation)				
Check the seawater outlet and clean as necessary	Exhaust System	X				
Check the function of the siphon break, if equipped	Siphon Break			X		
Check/replace the seawater pump impeller and check for leaks *†	Seawater Pump			X (Check)	X (Replace)	
Overhaul the seawater pump *†	Gen. S/M					X
Replace the seawater pump *†	Gen. S/M					X (2000 hrs.)
Replace the coolant *†	Flushing and Cleaning					X
Check/replace the heat exchanger anticorrosion zinc anode *†	Anticorrosion Zinc Anode		X (1 <sup>st</sup> at 10 hrs.)		X (Check)	X (Replace)
Clean the heat exchanger tube *†	Gen. S/M				X	
Clean the charge air cooler (intercooler) 40EKOZD and 35EFKOZD Models Only *†	Gen. S/M				X	
Check/replace the coolant hoses *†					X (Check)	X (Replace 5000 hrs.)

\* Requires removal of the sound shield door, if installed

† Consult your local distributor/dealer for service

‡ Read the WARNING found at the beginning of the manual regarding moving parts

§ Consult the operating instructions supplied with the craft

## Service Schedule for 32-40EKOZD/28-35EFKOZD Models, continued

Perform Service at Intervals Indicated (X)	Reference Section	Daily	Every 50 Hrs. or 1 Month	Every 250 Hrs. or 3 Months	Every 500 Hrs. or 6 Months	Every 1000 Hrs. or Yearly
<b>INTAKE/EXHAUST SYSTEM</b>						
Inspect the exhaust system components *†	Exhaust System	X (Before operation)				
Check the exhaust gas condition. If the exhaust is blue or black, contact your local distributor/dealer	Exhaust System	X (During operation)				
Clean/replace the air filter element *	Air Cleaner Service/Replacement (32-40EKOZD/28-35EFKOZD Models)			X		
Clean the exhaust/water mixing elbow *†	Exhaust System					X
Inspect the crankcase breather system *†	Eng. S/M					X (1500 hrs.)
Check the breather pipe for obstructions *†					X	
Check and clean the rubber intake air hose *†					X	
Replace the intake manifold hose *†						X (5000 hrs.)
Inspect the complete exhaust system *†	Marine Inspection					X
<b>ELECTRICAL SYSTEM</b>						
Keep the battery charged and in good condition §	Battery	X (Before operation)				
Check and tighten the electrical connections *			X			
Check the battery charging alternator belt tension *	Belt Tension		X (1st at 10 hrs.)	X		
Clean the battery cables †						X
Check the starter motor †						X (5000 hrs.)
Check the battery charging alternator †			X (1st at 10 hrs.)			X (5000 hrs.)
<b>ENGINE AND MOUNTING</b>						
Check for water, fuel, coolant, and oil leakage *†‡		X (After operation)				
Retighten any loose nuts and bolts *		X (Before operation)				
Check the mounting bolts/vibromounts and tighten if necessary *					X	
Adjust the intake/exhaust valve clearance *†	Eng. S/M					X
Check the compartment condition (fuel, oil, or water leaks)		X (Before operation)				
Total engine overhaul *†	Eng. S/M					X (10000 hrs.)
<b>REMOTE START PANEL</b>						
Check the remote start panel operation, if equipped			X (Break-in)			X
<b>GENERATOR</b>						
Test run the generator set			X (Weekly)			
Blow dust out of the generator *†	General Maintenance					X

\* Requires removal of the sound shield door, if installed

† Consult your local distributor/dealer for service

‡ Read the WARNING found at the beginning of the manual regarding moving parts

§ Consult the battery manufacturer's instructions