



Wärtsilä 50DFD Engine maintenance cycle (GAS/LFO)

Running hour based scheduled maintenance

necessary days of outage (typ)



- Check the function of the safety system and automatic stop devices
- Check the valve clearances, yokes and rotators.
- Wastegate actuator LO replacement
- Oil Mist detector fresh air filter replacement

- Check the crankshaft alignment
- Inspect the pre-lubrication pump
- Check camshaft contact faces
- Check connectors and cables
- Replace Gas filter cartridges
- Check the air bypass valve and the actuator

2K

- Check the injection valves
- Replace the injection valve nozzles
- Clean/adjust the pilot fuel oil pump control valve
- Check Exhaust system support, support plates and clamps
- Check expansion bellows
- Check mechanical overspeed trip device.

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- Check the vibration damper in control system cabinets

2K 4K



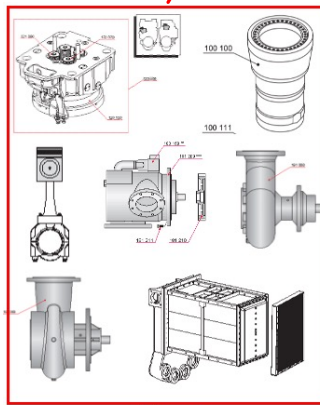
Swing set

- Overhaul Wastegate actuator
- Maintain Turbocharger
- Replace Turbocharger bearings
- Clean injection pump
- Replace LO pump o-rings
- Replace Oil Mist detector fresh air filter
- Clean Oil Mist detector supply air filter
- Maintain I/P converter

2K 4K 6K

- Check Oil Mist detector
- Replace Cylinder pressure sensor

2K 4K 8K



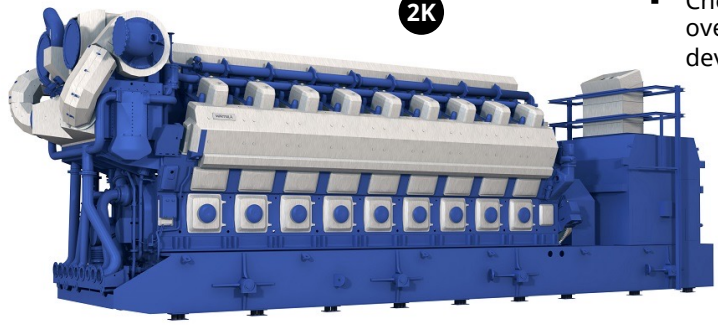
Swing set

- Overhaul**
- Check the Hydraulic jack
- Check the Cylinder liners
- Check the thrust bearing clearance
- Check cooling gallery deposits one per bank
- Maintain pistons
- Replace piston rings
- Check piston pin one per bank
- Check small and big end bearing, one per bank

2K 4K 6K

- Check one main bearing
- Maintain valve rotators
- Overhaul Cylinder heads
- Check intermediate gears
- Clean CAC
- Replace injection valves
- Replace main gas admission valves
- Replace turning device LO

Overhaul execution time can be reduced with existing swing set, local resources, among other factors.



*The information provided herein is for general information purposes only. Maintenance schedules for individual or specific installation can deviate.

