



INSPECTIONS AND SERVICE	Standby Duty	Prime & Continuous Duty
CALENDAR INSPECTIONS		
Perform automatic system test	Weekly	N/A
Check ECS* display	At System Test	Daily
Visual walk-around inspection	Weekly	Weekly
Visual interconnect inspection	Weekly	Weekly
Visual battery inspection	Weekly	Weekly
RUNTIME SERVICE		
Sample engine oil / Replace as needed	Biannually	As indicated by ECS*
Replace oil filter	With oil change	With oil change
Inspect air filter / Replace as needed	Monthly	As indicated by ECS
Replace hydraulic fluid filter	As indicated by ECS	As indicated by ECS
Inspect alternator belt / Replace as needed	Annually	2500 hrs
Replace spark plugs	As indicated by ECS	As indicated by ECS
Inspect turbochargers	5,000 hrs	5,000 hrs
Replace turbochargers	10,000 hrs	10,000 hrs
Lubricate generator bearing	1800rpm, 8500 hrs 1500rpm, 9000 hrs	1800rpm, 8500 hrs 1500rpm, 9000 hrs
Replace catalytic elements	12,000 hrs	12,000 hrs
Perform engine overhaul (replace heads, barrels, valves, lifters, springs, guides, seals, rings)	15,000-20,000 hrs	15,000-20,000 hrs

Definitions:

Emergency Standby Power (ESP): Output available at a variable load in emergency and standby applications where the genset provides back-up power only during interruption of normal power supply. Operating time not to exceed 200 hours per year. Average power output is 75% of standby power rating. No overload is allowed with this rating. Emergency Standby Power in accordance with ISO8528.

Prime Power (PRP): Maximum output available at a variable load for an unlimited number of hours in lieu of commercially purchased power. Average power output is 80% of the prime power rating. No overload is allowed with this rating. Prime Power in accordance with ISO8528.

Continuous Power (COP): Output available at a constant load for an unlimited number of hours. Typical peak demand is 100% of continuous rated kW for 100% of operating hours. Overload of 10% for a period of 1 hour is permitted in 12 hours of operation. Continuous Power in accordance with ISO8528 and ISO3046.

***Electronic Control System** monitors real-time oil condition by viscosity, specific gravity and dielectric constant (metal ion presence). Determines and alerts optimal service interval.