

**SAUDI DIESEL EQUIPMENT COMPANY LTD
Standard PM Matrix(*)**

| System | Task | EVERY OPERATING HOURS / MONTHS (whichever comes first) | | | | | | | | | | | | | | | | | | | | | | | Remarks |
|---------------------------|---|---|-----------|---------------|-----|-----|-----------------|------|------|-----------------|------|------|-----------------|------|------|------|------|------|------|------|------|------|------|----------------|---------|
| | | Daily | 50 Hrs | 250 | 500 | 750 | 1000 | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 | 3250 | 3500 | 3750 | 4000 | 4250 | 4500 | 4750 | 5000 | | |
| Prime Power Application | | Daily | 50 Hrs | 250 | 500 | 750 | 1000 | 1250 | 1500 | 1750 | 2000 | 2250 | 2500 | 2750 | 3000 | 3250 | 3500 | 3750 | 4000 | 4250 | 4500 | 4750 | 5000 | | |
| Standby Power Application | | Weekly | 1st-month | Every 6-month | | | Every 12-months | | | Every 24-months | | | Every 36-months | | | | | | | | | | | | |
| Cooling System | Check for leakage (hoses and clamps) | CA | | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | | |
| | Check the water level | CA | | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | | |
| | Change the coolant water | | | | | | R | | | | R | | | | R | | | | R | | | | R | | |
| | Adjust V-Belt tension | CA | | CA | CA | CA | CA | CA | CA | CA | R | CA | CA | CA | CA | CA | CA | CA | R | CA | CA | CA | CA | Every 2000 Hrs | |
| | Clean radiator | | | CA | CA | CA | C | CA | CA | CA | C | CA | CA | CA | C | CA | CA | CA | C | CA | CA | CA | C | | |
| Lubrication System | Check for leakage | CA | | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | | |
| | Check the oil level gauge | | | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | | |
| | Change lubricating oil | | R-1 | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | | |
| | Replace the oil filter cartridge | | R-1 | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | | |
| Intake & Exhaust System | Check the leakage for intercooler (hoses and clamps) | CA | | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | | |
| | Clean and change the air cleaner element | | | C | R | | R | CA | CA | CA | R | CA | CA | CA | R | CA | CA | CA | R | CA | CA | CA | R | | |
| | Clean the inter-cooler air fins | | | | C | | C | | | | C | | | | C | | | | C | | | | C | | |
| | Clean the turbocharger | | | | | | | | | | C | | | | | | | | C | | | | | Every 2000 Hrs | |
| Fuel System | Check the leakage fuel lines | CA | | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | | |
| | Clean the fuel strainer of fuel feed pump | | | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | |
| | Remove sediment for the fuel tank | | | | | | C | | | | | | | | | | | | | | | | | | |
| | Drain the water in the separator | | | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | CA | | |
| | Replace the fuel filter element | | | R | | | | | | | | | | | | | | | | | | | | | |
| | Check fuel injection timing | | | CA | | | | | | | | | | | | | | | | | | | | When necessary | |
| | Change fuel injection nozzles | | | CA | | | | | | | | | | | | | | | | | | | | Every 4000 Hrs | |
| Engine Adjust | Check the state of exhaust gas | CA | | | | | | | | | | | | | | | | | | | | | | | |
| | Check the battery charging | CA | | | | | | | | | | | | | | | | | | | | | | | |
| | Check the compression pressure | | | | | | CA | | | | | | | | | | | | | | | | CA | Every 7000 Hrs | |
| | Adjust Intake/Exhaust Valve Clearance | | CA | | | | CA | | | | CA | | | | CA | | | | CA | | | | CA | When necessary | |
| Electrical System | Check alternator rear end bearing, grease if required. | | | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | |
| | Check alternator - engine flexible plates mounting bolts | | | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | |
| | Check electrical compartment, wiring, lugs for tightness, and clean | | | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | |
| | Check circuit breaker - input and load side connection, and clean | | | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | |
| | Check all cables in the electrical compartment. | | | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | CA | | |

CA: Correct & Adjust
C: Clean
R-1: Replace/1st 50hours or 1st month
R: Replace

(*): Above table is an indication for standard PM Matrix, for details please refer to OEM's Operation & Maintenance Manual. Customer shall strictly follow the instruction of the O&M's manuals.