

GEN SET Maintenance Requirement

Gen Set Information:

- **Manufacturer:** Powerica Limited
- **Product Name:** Silent DG Set
- **Rating:** 500 kVA / 400 kW
- **Model Family No.:** CP500D5P/F48
- **Type Approval Certificate No.:** NAI/MOEF/POWERICA-F48/2014/0508
- **Noise Limit:** 75 dB(A) at 1 meter distance
- **Product Serial No.:** 01/20/05/1901017858
- **ESN / ASN:** 25451785 / N19L492734
- **Manufacturer Address:** 9th Floor, Bakhtawar, Nariman Point, Mumbai – 400021, India

Technical Explanation

Heavy exhaust smoke was observed from the DG set during operation. The excessive smoke indicates incomplete combustion within the engine and may be caused by faulty fuel injectors, restricted air intake, clogged air filters, turbocharger malfunction, poor fuel quality, overloading, or internal engine wear (such as piston rings or valve issues). Immediate inspection and maintenance are recommended to prevent further engine damage and ensure efficient operation.

