

4.2 MW “WARTSILA” make D G Set Details (12V32LN)

Specification:

Number: 1 set

Make : **WARTSILA, VASA**
Year of Make/Install : 05/1999 - 2000
Run Hrs till date : 51,358 Hours
Type : 12V32 LN
KW : 4347 (4.11 MW)
Rpm : 750
Rotation : C/W
Turbo-Charger Model : VTR 304 P11
Speed Governor : WARTSILA NSD Finland, Direct Acting type

Alternator 1999
Make : **ABB, FINLAND**
Frame : AMG 0900 MK08
Rating : 5400 KVA; Cos ϕ 0.8
Speed : 750 Rpm
Volts : 11000 V
Amperes : 283 A
Frequency : 50 Hz
Connection : Star
Insulation : Class F
Ambient Temp. : 50 Deg C
Excitation : 94 Volt (Dc), 9.4 Amp (Dc)
Direction Of Rotation : Anti-clockwise, when looking from driven end.
Rating : Continuous
Mass : 16900 Kgs

The 4.2 MW DG Set and its auxiliary equipments are being maintained as per OEM recommendations.

Details of equipment as Part of Package:

- 1) Engine complete with common base frame and working platform
- 2) Generator complete (ABB Make)
- 3) Fuel Oil separator without skid, heater, feed pump & piping, Alfa Laval Mopx 207)
- 4) Lube Oil Separator complete with skid (Alfa Laval MOPX-207) –1 No
- 5) Booster skid contains 2 Pumps with Motors, Filter , Deaeration Tank & Heater Unit
- 6) Pre Lube Pump With Motor
- 7) H.T Water Preheater skid contains pump with motor & heater Unit
- 8) Plate Heat Exchangers -3nos. (Lube Oil , H.T Water & L.T Water)
- 9) Silencer Unit
- 10) Stack
- 11) Expansion Water Tank
- 12) Ventilation Fans With Motors
- 13) Charge air oil bath filter unit

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- 14) NTC skid contains one pump with motor , heater unit & 300 Liters oil Tank
- 15) Feeder skid contains 2 pumps with motors
- 16) 2 Nos of water pumps and motors for room ventilation System
- 17) Tank mounted return fuel pump with motor & heater unit
- 18) Cooling Tower fan drive gearbox connected shaft & motor. 2 Nos of pumps with motors
- 19) 1000 Liters capacity Air bottle
- 20) All interconnecting piping for lube, air, water and fuel systems
- 21) Air ducting connected from filters to Turbo Charger & exhaust ducting connected from stack to Turbo Charger
- 22) Engine Operating Manuals – 1 Set
- 23) Integrated Control Panel (ABB Make)
- 24) Local Control Panels - 5 Nos (Engine Control, Booster, NTC ,Feeder & R/F System Panel)
- 25) NGR Isolator

Exclusions:

- 1) Buildings and Civil Structures
- 2) H.T & L.T electrical equipment connected cables of DG set
- 3) PLC and connected relays mounted in 6 MW set control panel.
- 4) Stand by pump unit with motor of 6 MW set NTC system.

ADDITIONAL INFORMATION :

Type - 12V32LN

Total Running Hours – 51000 hours

Last Running Done - 16/09/2017

Running Trial possible on HSD fuel with prior intimation in advance.

All operational log book and history available.

DG Set well maintained under Wartsila supervision and norms.

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INSPECTION OF 4.2 MW 12V32LN, 11 KV D G SET

DESCRIPTION

1 Nos. “WARTSILA” make, 4.2 MW, 750 RPM, 12 Cylinders, Model – 12V32LN, 4 Stroke, FO fuel operated, Year of Make/Import – 05/1999, Installed – 2000, Air Bottle Start, PHE Heat Exchanger Cooled, direct coupled to ABB make Alternator, AC, 3 Phase, 50 Hz, 0.8pf, 11 KV Voltage, complete with accessories, auxiliary’s viz. Air Bottle, Compressor, Heat Exchanger, Lub Oil Cooler, all

interconnected pipelines, Silencer Exhaust pipeline, Chimney, Electrical Control Panels, NGR Panel, Alfa Laval make fuel purification unit and systems. The detailed data sheet is attached herewith.

HISTORY OF DG SETS

The offered D G Set was purchased/imported directly by the present company in year 1999 and commissioned in year 2000. The D G Set was operated and maintained as per manufacturer norms and without compromising in the quality of fuel, lub oil, spares and consumables and under supervision, guidelines and AMC of “WARTSILA” maintenance team. The offered D G Set have been periodically overhauled and maintained as per norms for continuous operation and backup support for their main Plant. The DG Set is in original condition and has a very reliable operational life up to 150,000 - 200,000 running hours. **Presently the running hours of DG Set is 51,358 hours.**

LAST RUNNING DATE : 14.08.2017 ON LOAD UPTO 3 MW.

16.09.2017 IDLE RUNNING & THAN SHUT DOWN

FUEL CONSUMPTION : 225 GMS/KWH (4.2 KWH / LITRE FUEL)

The D G Set is well maintained and sparingly used. Finally the management decided to stop the D G Set since there is surplus power from grid supply & Turbine based power plant and power generation through DG Set is not economical. Hence now decided to sale.

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Running idle trial can be arranged with prior intimation and the same will be on HSD fuel only.
Load trial is not possible.

For purchase and other details please get in touch with our office.

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