

Ajith N. Kasturirathne

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Profile

A proactive, adaptable and conscientious Diesel technician with 20+ years' experience in the mechanical maintenance of diesel engine with Diesel Power Generators , Marine Diesel Engines and Emergency Diesel Power Plants.

- Extensive knowledge of troubleshooting and repairing High Speed diesel engine
- Skilled in preparing reports and interpreting technical information and drawing
- Possess strong analytical, troubleshooting, and problem solving skills
- Excellent communicator with strong organizational and time management skills
- Carry out preventive and schedule maintenance of Emergency Diesel power plant.
- Performing Emergency Diesel Power Plants Operation and Maintenance.

Experience

➤ CEM Power International LLC -UAE

Operation and Maintenances Technician(Mechanical), From June 2022 to March 2023

40 MW Diesel Power plant Sabson Energy -Aden, Yemen

20 MW Diesel Power plant Sabson Energy -Abyan, Yemen

MTU16V4000G63, 12V4000G63, 16V4000G61, 20V4000G22

- Preventive/Schedule Maintenance of MTU Diesel power module 500H, 1000H
MTU16V4000/20V4000– Replaced HT/LT coolant pump, Ex Turbocharger, HP pump, Fuel injectors , pistons, Cylinder Liners , Thermostat Valves HT/LT
Replaced Cylinder Heads /Gaskets , check valve lash, Check valve impact high, cylinder liner
Endoscope check
- 10K and 20K Overhauls of MTU power module 16V4000G61 /16V4000G63 /20V4000G22

➤ VPower Holding (Pvt) Ltd

Supervisor (Mechanical) from June 2019 to July 2022

24MW Diesel Power Plant, Pallekale, Sri Lanka – Operations and Maintenance

MTU16V4000G23/G63, Cummins KTA50 G3

- Installation of 18 units of MTU On-site /Cummins Diesel generator sets.
- Emergency Diesel Power Plant Operation and maintenance
- Preventive/Schedule Maintenance of MTU/Cummins Diesel power module,
MTU 500H, 1000H, 2000H.3000H./CUMMINS 300H etc
MTU16V4000 – Replaced HT/LT coolant pump, Ex Turbocharger, HP pump, Fuel injectors
Replaced Cylinder Heads /Gaskets due to coolant leaking and higher valve impact high
- MTU 16V4000G63 Top End Overhauls Update the All Maintenance records.

- **Alston Power Rental (APR) Energy,**
(Operation and Maintenance Engineer- Mechanical)
From October 2012 to November 2018

30MW Diesel Power Plant, Dakar, Senegal (Cap de Bitches)
(CAT3516B/MTU12V4000G63 series)

- CAT 3516B/ MTU 12V4000G63 Carrying out Diesel Engine Major and Top End Overhauls
CAT 6000 and 12000 schedule maintenance/ MTU 10K and 20K schedule maintenance Preventive/Corrective Maintenance of MTU/CAT Diesel power module,
 - MTU12V4000G63-Replaced Cylinder Heads /Gaskets check valve impact high ,Replaced HT/LT Coolant Pumps, HP Pump and Injectors.
 - CAT3516B –Check Valve lash and Injector Heights
Inspected the Cam Shaft and Checked Crank shaft End Play.
Replaced Cylinder Heads /Gaskets.
- Schedule /Routine maintenance of CAT 250,500,1000,2000,3000 hrs.
MTU 500H,1000 hrs

- **DIMO (Private) Limited –Colombo, Sri Lanka** (Service Engineer-MTU Division)
From April 2011 - December 2011

MTU 4000/2000 and Detroit Diesel Engine (DDC) 53, 71, 92,149 Diesel engines used in

Marine, Railway, Industrial and Applications..

- Servicing & Repairing Marine, Railway, Industrial Diesel Engine-engine
- Diesel engine major overhauls and top end overhaul Engine Major Overhaul of Detroit Diesel 8V92TI @Generator set MS Tug Mahanuwa Engine Top End Overhaul of MTU 16V2000M72 @Catamarans Four seasons explore
- Replaced HT/LT coolant Pump, High Pressure Fuel Pump And Injectors ,Check Valve lash and checked Impact High –Sri Lanka Railway 12V4000R41

- **Mackwoods Limited-Colombo, Sri Lanka** (Asst Engineer) from June 2006 - June 2010

5KVA to 500 KVA Industrial Diesel Generators (Kirloskar)

- Carrying out the Site inspection, Installation/Commissioning and Load testing of Diesel Power Standby Generators.
- Diesel Engine major overhauls and top end overhaul
6SL 8800TA Kirloskar Engine (Major Overhaul (250KVA Gen set)-Sri LANKA Air Force
KG500 WS3 Kirloskar Engine (Major Overhaul (500KVA Gen set)-Lanka Mount Castel
- Responsible for schedule/preventive maintenance and all repairs of Diesel Engines and Generators and overseeing the work shop functions with undertaken repairs

➤ **K Port (Pvt) Limited-Sri Lanka** from Oct. 2004 –Aug.2006

- Installation of 3 units of 35 Ton Rubber Tire Gantry Cranes (KHEL).
Mechanical Maintenance and Preventive/Schedule Maintenance of Rubber Tire Gantries, Rich Stacker, Fork Lifts and 250KVA Gen set.

➤ **Lakdhanavi Limited-Colombo, Sri Lanka** (Mec: Superintendent) from April 2002 –September 2004

100 MW WARTSILA Heavy fuel power plant-Puthalam, WARTSILA 18V46

- Erection of pre-cast steel structure to house 6 units of WARTSILA 18V46 Heavy Fuel Engines.
- Installation of 6 units of Engines and Generating Sets WARTSILA 18V46
- Carry out Installation and commissioning of Auxiliary Systems and Machineries
Lub oil Separators/Fuel oil Separators/Back up power Generator
- Carrying out the Fabrication work of hot water line , steam line and Turbocharger washing line

10MW Diesel Power Plant-Sapugaskanda Operations/ Maintenance (CAT-3500 series),

- Emergency Diesel Power Plant Operation and maintenance
- Carrying out major overhauls and top end overhaul of engines - CAT 3508A and 3516A/
3516B series engine (6000 and 12000 schedule maintenance)
- Carrying out Schedule /Routine maintenance of 250, 500, 1000, 2000 hrs. etc...
- Preventive/Corrective Maintenance of CAT 3500 Diesel power module
Check Valve lash and Injector Heights , check ed the Cam Shaft and Crank shaft End Play and Replaced Cylinder Heads /Gaskets.

30 MW Diesel Power Plant –Embilipitiya Operations/ Maintenance (CumminsKTA50)

- Installation 40 units of Cummins KTA50 Diesel generating sets.
- Carrying out Schedule /Routine maintenance of 250, 500, 1000, 2000 hrs. etc...
Preventive/Corrective Maintenance of Cummins Diesel power module,
- Emergency Diesel Power Plant Operation and maintenance

➤ **CIAS Limited- Colombo, Sri Lanka** (Training Technician) from May 1996– Dec 2001

Perkins /DDC Diesel Engine used in Industrial, Marine and Off Highway Applications

Perkins 1000/2000/3000/4000 DDC 71/92/149 Series

- Assist to carrying out major overhauls and top end overhaul of Diesel engines.
- Assist to carrying out schedule/preventive maintenance of Diesel Power Generator
- Followed preventive maintenance activities such as 250, 500, 1000, 2000 hrs. etc\
- Asst to supervisor and senior technician Troubleshooting, Repair and Load Testing of Diesel power module.

Academic Qualification

**Diploma in Technology (D.Tech)-Mechanical Engineering (Automobile),
The Open University of Sri Lanka, Nugegoda Sri Lanka.**

From February 1997 to October 2002

Professional Qualification

- **Certificate Of Diesel Engine Mechanics ,**
Sri Lanka–Germen Railway Technical Training Centre, Ratmalana, Sri Lanka.
From September 1993 to February 1996
- **Skilled Craftsmen Certificate Of Diesel Engine Mechanics**
National Apprentices and Industrial Training Authority, Sri Lanka (NAITA)
Date of issue 1996.02.29

Training

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| 1. DIF AGC-4 Plant Management Service Level Training-DIF India Private ,Sri Lanka | 24.04.2014 |
| 2. Industrial safety (Power Plant)-Institute Of Techno-Management (Pvt) Ltd, Sri Lanka | 10.06.2012 |
| 3. Supervisory and Team Management Skill-Smart Quest (Pvt) Ltd, Sri Lanka | 04.08.2011 |
| 4. Lighting Protection and Earthling System–Department of Metrology, Sri Lanka | 24.03.2008 |
| 5. The Basic Technical Training course for Kalmar LMV Fork lift truck | 25.04.1998 |

Personal Details

Name	:	Kasturi Arachchige Ajith Nishantha Kasturiratnhne
Date of Birth	:	17.11.1973
Sex	:	Male
Civil Status	:	Married
Passport No	:	N8919664
Nationality	:	Sri Lankan
Residence	:	120, Wataddara, Veyangoda, Sri Lanka.11100