

Ajith N. Kasturirathne

Email:nishanthakast1@yahoo.com

Skype: nishantha.kasturirathne1

[Mob: +97431586787](tel:+97431586787)

WhatsApp:+94714878881



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 300Hetc
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 Mahanuwra 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

1. DIEF AGC-4 Plant Management Service Level Training-DIEF 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
Age : 50 Years
Sex : Male
Civil Status : Married
Passport No : N8919664
Nationality : Sri Lankan
Residence : 120, Wataddara, Veyangoda, Sri Lanka.11100