

Service Portfolio

Marine Diesel Service GmbH
 Mooswiesenweg 7
 8404 Winterthur
 Switzerland

Phone: +41 52 301 32 00
info@marine-diesel-service.com
www.marine-diesel-service.com

Technical Assistance and trouble shooting

- Assistance during any kind of running problems such as:
 Piston running performance
 High consumption of lubricants and fuel
 Control system difficulties of conventional engines
 Components of common rail engines

Technical Assistance after Suffering Engine Damages

- Assistance / recommendations in emergency repairs
- Evaluation and supervision of permanent repairs
- Establish work list and spare parts requirement
- Assisting in the discussion with Classification and Underwriters
- Join vessel for re-commissioning and sea trial

Field Service

- Carry out any field service job such as regular maintenance and repair and supervision during dockings.
- Organising / evaluation of capacities and capabilities field service jobs with a network of skilled personnel

General Maintenance

- Assistance in general maintenance planning and achieving extended Time Between Overhaul (TBO)
- Perform inspection / attending maintenance and overhaul periods
- Evaluation and engine assessment during general maintenance
- Assisting in classification survey and discussion with class in the interest of the owner
- Overhaul / repair of engine control and safety systems at conventional engines
- On board overhaul of high pressure fuel pumps of common rail engines

Planning of Repair Periods (dry-dock)

- Pre-inspections and evaluation of work to be done during repair periods
- Establishing lists of required parts during repair
- Evaluation of possible upgrades
- Complete overhaul of engine control system

Engine Performance Analyses and Trouble Shooting

- Engine performance trend analyses (yearly survey of parameters)
- Difficulties with the engine control system (local control, control room and bridge)
- Performance evaluation of common rail key components

Commissioning of New Vessels

- Consulting during building supervision (engine manufacturing, shop test, yard assembly)
- Attendance of commissioning and sea-trial and evaluation of results
- Evaluation of overhaul inspection after sea-trial
- Evaluation of engine alignment at the yard (crankshaft deflection / jack up tests)
- Evaluation, recommendations and supply of initial stock of spare parts
- Inspection of proper preservation and storage of spare parts on the vessel
- Consulting in setting up and customising maintenance system

Inspection of Second Hand Vessels

- General inspection of main engine condition
- Evaluation of performance parameter
- Evaluation of maintenance records and wear data
- Evaluation of Class records
- Checking amount and condition of spare parts on the vessel
- If required join vessel for an inspection voyage

Training on 2-stroke SULZER engines

- Crew training during visits and customized training seminars on the vessel or ashore

Spare Parts

- Supply of spare parts from proven manufacturers (OEM quality) and economic sources where suitable
- Assistance and advice on supplier selection
- Stock assessment and stocking recommendations

Maintenance / survey



Overhaul Control System



Engine Evaluation



Our core Team

Lukas Frischknecht

- 8 years Wärtsilä Service Switzerland, starting 1999
General maintenance, new buildings, commissioning, major welding repairs, modification & trouble shooting of engine control systems
- Customer Assistance Support
- 2 years finished engineering study
- 8 years Field Testing in the technology group of Wärtsilä and WinG&D
- Advanced knowledge about: electronically controlled engines, piston running, SCR installation of Tier 3 engines
- Acquisition of Marine Diesel Service GmbH on 01.04.2017



Contact:

l.frischknecht@marine-diesel-service.com

Mobile +41 79 331 02 94

Peter Frischknecht

- 33 years of service experience with SULZER, New Sulzer Diesel and Wärtsilä.
- 22 years as Service and Commissioning Engineer (12 years in USA)
- More than 1000 board visits on technical assistance and trouble shooting
- 10 years at Wärtsilä as Manager in Technical Service handling major difficulties with Sulzer engines.
- Founded Marine Diesel Service GmbH 13 years ago. Attending more than 100 different vessels.
- Major repairs, general engine maintenance, engine assessments and control system overhauls.
- Handling spare parts.



Contact:

info@marine-diesel-service.com

Mobile +41 79 638 15 54

Peter Fischer

- Technical spare parts sales and purchasing expert
- 15 years of experience in the field
- Maintenance Engineer for locomotive gears/marine gears (PTO, ConSpeed)
- Software Engineer with master degree
- Supply Chain Manager with degree



Contact:

info@marine-diesel-service.com

Office +41 52 366 43 46

Your benefit:

- Comprehensive technical know-how of all SULZER / Wärtsilä brand 2-stroke engines
- Proven and economical solutions according your requirement and targets
- Reliable world-wide technical support and field service
- Technical service and spares parts supply out of one hand