

Service Portfolio

Marine Diesel Service GmbH
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<http://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 lubes and fuel
 - Control system difficulties

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, repair and supervision during dockings
- Organizing 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
- Regular inspections (board visit once a year)
- Overhaul and repair of complete engine control and safety systems

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

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)

Commissioning of New Vessels

- Supervision during newbuildings (engine manufacturing, shop test, yard assembly)
- Attendance of commissioning and sea-trial; 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 spare parts stock
- Inspection of proper preservation and storage of spare parts on the vessel
- Consulting in setting up and customizing maintenance system

Inspection of Second Hand Vessels

- General inspection of the main and auxiliary 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 of an inspection trip

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 and economic sources
- Assistance and advice on supplier selection
- Stock assessment and stocking recommendations

Maintenance / survey



Overhaul Control System



Engine Evaluation



Peter Frischknecht



- 35 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 as Manager in Technical Service

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Willi Kläntschi



- 33 years of service experience with SULZER, New Sulzer Diesel and Wärtsilä
- 24 years as Service Engineer (6 years in USA)
- 9 years as an instructor in the training centre in Winterthur. classes held for customers and service engineers

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Your benefit:

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



**Marine Diesel
Service**

Tailor-made Service Solutions