



4.236M

handbook
for marine diesel engines

Perkins Engines

contents

4	On Board Tools
5	Engine Photographs
8	Engine Identification
9	Safety Precautions
11	Data
12	Operating Instructions
15	Instruments
16	Preventive Maintenance
17	Post Delivery Checkover
18	Preservation of Laid Up Engine
22	Frost Precautions
23	Fuel System
27	Cooling System
29	Lubricating System
31	Approved Lubricating Oils
33	Gearboxes
34	Checking Valve Clearances
35	Electrics
38	Fault Finding
40	Emergency Measures

This handbook has been issued to guide operators in the correct use and maintenance of Perkins Marine Diesel engines. Providing an engine is correctly installed, correct maintenance and certain precautions are observed, then no operating difficulties or failures should be experienced. All matters relating to marine propulsion are covered, also fault diagnosis and remedy, and minor repairs which the average marine operator can undertake, whilst his craft is afloat.

1. Fresh Water Pump Pulley.
2. Fresh Water Header Tank.
3. Air Filter.
4. Fuel Injection Pump.
5. Fresh Water Filler Cap.
6. Lubricating Oil Drain Pump.
7. Lubricating Oil Filler Cap.
8. Atomiser.
9. Fuel Oil Filter.
10. Gearbox Oil Cooler.
11. Starter Motor.
12. Lubricating Oil Dipstick.
13. Sea Water Pump.
14. Tachometer Drive Connection.
15. Crankshaft Pulley.

Lowline 4.236M Engine

