

# SCHEDULED MAINTENANCE

A Perkins marine engine will have a long and trouble free life provided it is maintained in accordance with the following schedule:

## 4.108 (M) Engines

### DAILY

- Check coolant in header tank (see warning on Page 54).
- Check engine lub oil level (see page 56).
- Check engine oil pressure (if equipped with gauge).
- Check gearbox fluid level (see page 59).

### FIRST 25/50 HOURS

- Change engine lub oil (see page 58).
- Renew engine lub oil filter element (s) (see page 57).
- Check cylinder head nuts/setscrews for correct torque (see page 41).
- Set valve clearances to 0.012 in. (0.30 mm) cold (see page 61).
- Check coolant level (header tank) and inspect for coolant leaks.
- Check external nuts, setscrews, mounting, etc. for tightness.
- Check drive belt tension (see page 56).
- Check electrical equipment and connections.
- Check for lub and fuel oil leaks.
- Check engine idling speed (see page 50).
- Check general performance of engine.

### EVERY 100 HOURS OR 2 MONTHS (WHICHEVER OCCURS FIRST)

- Change engine lub oil (see page 58).
- Renew engine lub oil filter element (s) (see page 57).
- Clean air intake filter.
- \*Check drive belt tension (see page 56).
- Clean water trap (if equipped).
- Check engine for leakage of oil and water.
- Change gearbox fluid (Paragon) (see page 61).

### EVERY 400 HOURS OR 12 MONTHS (WHICHEVER OCCURS FIRST)

- Renew final fuel filter element (see page 49).
- Check hoses and clamps.
- Drain and clean fuel tank.
- Change gearbox fluid (Borg-Warner) (see page 59).

### EVERY 800 HOURS

- Check sea water pump impeller (see page 54).

### EVERY 2,400 HOURS

- Arrange for examination and service of accessory equipment, (i.e., starter motor, alternator, etc.).
- Service injectors (see page 53).
- Check and adjust valve tip clearances (see page 61).

\*Drive belt tension should be checked monthly on engines rated above 3000 rpm.