

YANMAR, AUSTRALIA'S LARGEST SELLING BRAND OF DIESEL ENGINE!

Dealer Principle Sales Managers Sales Engineers Service Manager Parts Managers Technicians

TECHNICAL BULLETIN

Date Issued: 5 September 2005
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Subject: USERS GUIDE FOR YANMAR BRANDED OIL AND COOLANT

Please refer to the attached users guide for our new range of YANMAR branded oil and coolant.

The guide, whilst intended for use by sales, service and spare parts personnel, can be copied and passed onto end users for their information.

We strongly urge you to **circulate this bulletin to all personnel who are involved in the sales of engines and spare parts as well as personnel in charge of servicing engines.** This will ensure that everyone is up to date with the current information. Please do not hesitate to contact us should you have any queries relating to these instructions.

POWER EQUIPMENT PTY LTD



ERIK MEIJER
ENGINEERING MANAGER

EXCLUSIVE AUSTRALIAN DISTRIBUTOR OF YANMAR DIESEL ENGINES, MASE GENERATORS & GORI PROPELLERS

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USERS GUIDE FOR YANMAR BRANDED OIL AND COOLANT

OIL:

- For engines operating in ambient conditions of 0 - 40°C use the YANMAR branded monograde SAE 30 oil.
- For engines operating in ambient conditions of 20 - 50°C use the YANMAR branded monograde SAE 40 oil.
- The oil change intervals are described in the engine operation manual.

COOLANT:

The YANMAR branded concentrated coolant is provided in 5 or 20 litre containers. Concentrated coolant must be premixed with clean potable water before it is added to an engine cooling water system. If there is doubt about the local water quality, use distilled water.

- The mixing ratio is **50 / 50%** with exception of the TF and TS series of engines.
- TF and TS series engines require a mixture rate up to a maximum of **30%** coolant concentrate in water.
- It is our recommendation for Marine engines that the coolant is changed every **500 hours or once a year** whichever comes first
- 6LP(A) series require a coolant change every **250 hours or once a year** whichever comes first.
- For industrial engines we recommend to change coolant every **2000 hours or once every 2 years** whichever comes first.

Following are approximate oil and coolant capacities for current engine models

Marine Engine model	Oil capacity in litres	Coolant capacity in litres
1GM10	1.3	N/A
2GM20(F)	2.0	3.7
3GM30(F)	2.6	4.2
2YM15	1.8	3.8
3YM20	2.4	4.9
3YM30	2.5	5.4
3JH3E	5.5	5.3
4JH3E	5.8	6.8
4JH3TE	7.0	6.8
4JH3HTE / DTE	7.0	8.0
3JH4	5.5	5.3
4JH4	5.0	6.8
4LHA-HTP	13.0	12.8
4LHA-DTP / STP	13.0	15.8
6LPA-DTP	10.0	15.1
6LPA-STP	10.5	15.1
6LY(2) A-STP	20.0	21.5
6CX-ETE	23.0	37.1
6CX-GTE(2)	22.0	36.1

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Industrial Engine model	Oil capacity in litres	Coolant capacity in litres
L48AE	0.8	N/A
L70AE	1.1	N/A
L100AE	1.7	N/A
TF60 / 70	1.8	1.3
TF90	2.2	1.7
TF110 / 120	2.8	2.3
TF140 / 160	3.0	3.0
TS190	3.6	4.0
TS230	6.0	6.0
3TNE68-G1	2.8	4.0
3TNE68-SA	2.8	4.0
3TNE68-G2	2.8	4.0
3TNE74-G1	2.4	4.0
3TNE74-SA	2.4	4.0
3TNE74-G2	3.1	4.0
3TNE78A-G1	5.0	4.5
3TNE78A-SA	3.6	4.5
3TNE78A-G2	5.0	4.5
3TNE84-G1	7.2	4.5
3TNE84-SA	4.8	4.8
3TNE84-G2	7.2	4.8
3TNE88-G1	7.2	4.5
3TNE88-SA	4.8	4.8
4TNE84-G1	8.6	5.5
4TNE84-SA	5.8	6.5
4TNE84-G2	8.6	6.5
4TNE88-G1	8.6	5.5
4TNE88-SA	5.8	6.5
4TNE84T-G1	8.6	6.5
4TNE84T-SA	5.8	6.5
4TNE84T-G2	8.6	6.5
4TNE94 / 98-G1	10.2	15.0
4TNE94 / 98-SA	10.2	15.0
4TNE106-G1	14.0	21.0
4TNE106-SA	14.0	21.0

Coolant and oil capacities for the TNE range are for standard generator and variable speed engines. The actual oil and coolant capacities may vary for engines in OEM equipment due to possible different sump and radiator specifications.

Safety instructions on skin or eye contact are mentioned on the coolant container labels.

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