

# Factory Recommended Maintenance Intervals<sup>1</sup>

See footnotes for additional important information

Engine Make / Model (Years of production)	Engine / Crankcase Oil <sup>3,4</sup> (Check before starting)	Engine / Crankcase Oil Capacity	Oil Filter <sup>2</sup>	Gear / Transmission Oil <sup>6,7</sup> (Check before starting)	Gear / Transmission Oil Capacity	V-Belt <sup>8</sup> (Check / adjust)	Replace coolant <sup>5</sup> (Check before starting)
Universal 5411 (1977 to 1982)	75 hrs / min 1 per season	2.2 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.29 qts	100 hrs (min every month) / min 1 per season	Every season
Universal 5424 (1977 to 1983)	75 hrs / min 1 per season	5.6 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.33 qts	100 hrs (min every month) / min 1 per season	Every season
Universal M-30 (replaced earlier 5424) (1983 to 1987)	75 hrs / min 1 per season	5.6 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.33 qts	100 hrs (min every month) / min 1 per season	Every season
Universal M-12 (1983 through 1988)	75 hrs / min 1 per season	1.5 - 2.0 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.29 qts	100 hrs (min every month) / min 1 per season	Every season
Universal M2-12 (10/1987 through 3/1993)	75 hrs / min 1 per season	1.5 - 2.0 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.29 qts	100 hrs (min every month) / min 1 per season	Every season
Universal M-18 (1983 through 1988)	75 hrs / min 1 per season	2.5 - 3.0 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.29 qts	100 hrs (min every month) / min 1 per season	Every season
Universal M-25 (6/1981 to 8/1986)	75 hrs / min 1 per season	4.0 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.29 qts	100 hrs (min every month) / min 1 per season	Every season
Universal M-25XP (9/1986 to 3/1993)	75 hrs / min 1 per season	4.0 - 4.3 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.29 qts	100 hrs (min every month) / min 1 per season	Every season
Universal M-25XPA (3/1993 to 8/1996)	250 hrs / min 1 per season	4.3 qts	250 hrs / min 1 per season	300 hrs / min 1 per season	0.29 qts	100 hrs	500 hrs / 5 years
Universal M-25XPB (8/1996 to current)	100 hrs / min 1 per season	4.0 qts	100 hrs / min 1 per season	250 hrs / min 1 per year	0.29 qts	100 hrs (for new belt) 250 hrs thereafter	500 hrs 1250 hrs
Universal M3-20 (1988 to 3/1993)	75 hrs / min 1 per season	3.2 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.29 qts	100 hrs (min every month) / min 1 per season	Every season
Universal M-35 (1987 to 1993)	75 hrs / min 1 per season	4.5 - 5.0 qts	75 hrs / min 1 per season	100 hrs / min 1 per season	0.33 qts	100 (aka monthly) / 1 per season	Every season
Universal M-35A (3/1993 to 8/1996)	250 hrs	4.5 qts	250 hrs	300 hrs / min 1 per season	0.33 qts	100 hrs	500 hrs / 5 years

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Universal M-35B (8/1996 to ... )	100 hrs / min 1 per season	4.0 qts	100 hrs / min 1 per season	250 hrs / min 1 per year	0.33 qts	100 hrs (for new belt) 250 hrs thereafter	500 hrs 1250 hrs
Westerbeke 42B (9/1987 to 12/1999)	250 hrs / 1 per season	1.189 gal	250 hrs / 1 per season	300 hrs / min 1 per season		50 hrs (min every month) / min 1 per season	500 hrs / min 1 per season
Universal M-50 (1982 to 5/1997)	75 hrs / min 1 per season	8.5 qts	75 hrs / min 1 per season	100 / 1 per season	0.59 qts	100 hrs (min every month) / min 1 per season	100 hrs (min every month) / min 1 per season
Yanmar 1GM10SD20	150 hrs	1.3 ltr	300 hrs	150 hrs	0.3 ltr	300 hrs	Every season
Yanmar 2GM20F	150 hrs	2.0 ltr	300 hrs	150 hrs	0.3 ltr	300 hrs	Every season
Yanmar 3GM30	150 hrs	2.6 ltr	300 hrs	150 hrs	0.35 ltr	300 hrs	Every season
Yanmar 3YM20	150 hrs / min 1 per season	2.5 - 2.9 qts	250 / min 1 per season	150 hrs / every year	0.3 ltr	250 hrs / min 1 per season replace 1000 hrs / 4 yrs	Every season
Yanmar 3YM30	150 hrs / min 1 per season	2.6 - 3.0 qts	250 / min 1 per season	150 hrs / min 1 per season	0.3 ltr	250 / min 1 per season replace 1000 hrs / 4 years	Every season
Yanmar 3JH3-BE	150 hrs	5.5 ltr	300 hrs	150 hrs	0.45 ltr	300 hrs	Every season
Yanmar 3JH4-BE	250 hrs / min 1 per season	5.5 ltr	250 hrs / min 1 per season	250 hrs / min 1 per season	0.5 ltr (KM35P) 0.65 ltr (KM35A)	250 hrs / min 1 per season replace 1000 hrs / 4 yrs	Every season
Yanmar 4JH	150 hrs	2.57 ltr	300 hrs	150 hrs	0.2 ltr	300 hrs	Every season
Yanmar 4JH2	150 hrs	2.57 ltr	300 hrs	150 hrs	0.2 ltr	300 hrs	Every season
Yanmar 4JH3-BE	150 hrs	5.8 ltr	300 hrs	150 hrs	0.45 ltr	300 hrs	Every season

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Yanmar 4JH4	250 hrs / 1 per season	5.5 - 6.1 qts	250 hrs / 1 per season	250 hrs / 1 per season	0.65 ltr	250 hrs / min 1 per season replace 1000 hrs / 4 yrs	Every season

Notes: 1) Although the factory may recommends X hours between fluid checks, Catalina Direct highly recommends a "pre flight" before every sail in addition.

Visually check the coolant and crankcase levels before heading out. Consult your owner's manual for the most accurate information

Engine break in period replacement intervals are substantially less (typically ~25 to 50 hours) and have been omitted for clarity.

2) Sometimes the factory doesn't, but Catalina Direct recommends the oil filter be replaced **every time** the oil is changed to avoid contaminating new oil with the old.

3) Universal recommends SAE 30, 10W30, or 10W40 for engine oil, best "diesel rated grade".

4) Latest Yanmar recommendation is 15W40, Yanmar brand or Shell Oil Rotella.

5) A 50 / 50 Pre mixed coolant is easier to work with as you avoid mixing small quantities. Coolant must always be mixed before use.

Universal recommends using Prestone "Heavy Duty Diesel Extended Life Antifreeze / Coolant" or similar. **Avoid green antifreeze which contains silicates.**

Yanmar recommends using Dex-Cool® coolant to protect the aluminum components within the engine.

6) Universal diesels gear / transmission Oil: Use ATF Type A or Dexron II, III, VI or later iterations. **Do not use ATF type F.**

7) Yanmar gear / transmission oil : SAE 30

8) Inspect V-belt for 3/8" to 1/2" of deflection. Replace if any signs of wear are visible. Check for cracks on the **inside** of the belt.