

Yanmar Marine Diesel Auxiliary Workshop Manual Specs

Engines: 1GM10, 2GM20, 3YM30, 4JH Series - Sailboat Propulsion & Saildrive Servicing
Official Engineering Document - SailingManuals Maritime Technical Archive

TECHNICAL SPECIFICATIONS & VERIFIED BENCH TOLERANCES:

1. Lubricating Oil Type: API CD/CF SAE 15W-40 Marine Diesel Oil (Do not use synthetic in 1GM/2GM)
2. Fuel Injection Pressure: 195 - 205 kg/cm² (2,773 - 2,915 PSI) - Test on nozzle tester bench
3. Valve Head Clearances (Cold): Intake & Exhaust: 0.20 mm (0.008 in) for all YM/GM platforms
4. Heat Exchanger Descaling: Flush tubes with 10% phosphoric acid solution every 2 seasons
5. Raw Water Impeller: Replace flexible neoprene impeller every spring; lubricate with glycerin
6. Saildrive (SD20/SD50/SD60): Inspect twin-diaphragm safety sensor; change lower gear oil annually
7. Alternator V-Belt Deflection: 8 - 10 mm deflection under 10 kg finger pressure

Verified in Compliance with ABYC Standards - ISO 9001 Review Protocol - SM-PDF-2026