

Yanmar Diesel Engine

- Inspection Before Starting
 - Visual checks
 - Lube oil leakage from the engine
 - Fuel oil leakage from the fuel system
 - Water leakage from the cooling water system
 - Damage to parts
 - Loosening or loss of bolts
 - Fuel in tank
 - Engine oil level dipstick
 - Clutch oil level dipstick
 - Fresh water level in fresh water cooling system
 - Check remote control handle
 - Check alarm devices electric operation (insert engine key, turn on)
- Operation
 - Starting
 - Check sea water cooling intake open
 - Check fuel valve open
 - Turn on battery switch (both banks)
 - Set remote control lever to NEUTRAL
 - Insert key and turn on (alarm buzzer should sound)
 - Press the **start** button (engine should start)
 - Check gauges and alarm devices on engine panel are normal
 - Check water or oil leakage from the engine
 - Check that exhaust colour, engine vibration and sounds are normal
 - Check that sufficient cooling water is being discharged
 - Initially, keep the engine at low speeds to lubricate parts
 - Stopping
 - Put the remote control handle in NEUTRAL
 - Race the engine briefly before stopping
 - Cool down engine at low speed (1000 rpm) for about 5 minutes
 - Press the **stop** button
 - Turn engine key off

Quick check: WOBBLE the engine - **W**ater, **O**il, **B**elt, **B**olts, **L**eaks, **E**xhaust