

CAM

MARINE
SERVICES & TRADING

MARINE & INDUSTRIAL DIESEL ENGINE SPECIALISTS

Overhaul | Troubleshooting | Repairs | Spares | Mechanical Engineering

Experienced hands-on support for engines, generators, pumps,
gearboxes and auxiliary machinery.

CAPABILITY PROFILE

Singapore

Practical engineering support - from routine maintenance to difficult failures.

CAM Marine Services & Trading provides specialised repair, overhaul, troubleshooting and maintenance services for marine and industrial diesel engines and associated mechanical equipment. We support vessel owners, ship managers, shipyards, marine contractors and industrial operators with a strong emphasis on practical diagnosis, repairability and minimising downtime.

OUR APPROACH

Find the cause - define the practical repair - complete the work properly - verify satisfactory operation.

CORE CAPABILITIES

Diesel Engine Overhaul	Complete/in-situ, top and bottom overhauls; cylinder heads; pistons and liners; bearings; crankshaft inspection; timing; valve setting; cooling and lubrication systems; commissioning.
Troubleshooting	Low oil pressure, vibration, overheating, no-start, fuel delivery and injection timing, abnormal smoke, leaks, overspeed, bearing damage and recurring failures.
Generators & Auxiliary Engines	Overhaul, maintenance, fuel-system repair, load testing, parallel-test support and technical records.
Pumps & Mechanical Equipment	Fire, cargo, cooling-water, bilge, general-service and high-pressure pumps; regulators; compressors and associated mechanical systems.
Gearboxes & Installation	Gearbox replacement/adaptation, adapter and mounting modifications, coupling work, alignment, chocking, controls and piping modifications.
Spares Support	Identification and sourcing of genuine, OEM and technically suitable replacement parts, including difficult-to-source components.

Selected project experience

Representative assignments demonstrate the range of work undertaken by CAM Marine. The examples below focus on practical engineering scope rather than generic service claims.

CUMMINS KTA19 & 6CT 8.3 - MT CNC 7

General overhaul and maintenance of main and auxiliary engines, including bearing/crankshaft inspection, calibration and measurement records, generator load and parallel-test documentation, and consolidated technical reporting for survey review.

CATERPILLAR 3412 FIRE-PUMP ENGINES - JURONG ISLAND

Maintenance service of four Caterpillar 3412 fire-pump engines, including scheduled service items, filter replacement, engine-oil requirements and operational maintenance support.

PERKINS 1104 SERIES GENERATOR ENGINE

Fuel-delivery fault investigation requiring pump access, removal, workshop bench testing/recalibration, reinstallation and timing. Separate diagnosis of a persistent rear-area oil leak identified the actual oil path rather than repeatedly replacing the rear seal.

YANMAR 6LY SERIES MARINE ENGINE

Troubleshooting of a difficult no-start/fuel-delivery condition. Fuel-pump condition, pipe arrangement, overflow system and injection timing were systematically checked before the engine was restored to satisfactory running.

KUBOTA V3300 INDUSTRIAL / GENERATOR ENGINE

Rebuild and repair work including crankshaft and connecting-rod components, fuel-injection timing, cooling and lubrication troubleshooting and post-repair operational checks.

MARINE GEARBOX REPLACEMENT & ADAPTATION

Replacement of an obsolete/unserviceable gearbox with an alternative unit, including adapter machining, mounting modifications, control arrangements, seawater-line changes, alignment, coupling and chocking before trials.

HIGH-PRESSURE WATER PUMP SYSTEM

Investigation of pressure loss and repeated short cycling after pump/regulator work. Systematic suction-side diagnosis ultimately isolated an auxiliary inlet connection as the cause, allowing normal spray-gun operation to be restored.

Multi-brand diesel & machinery capability

Hands-on experience across multiple engine makes enables CAM Marine to support customers with mixed fleets and varied equipment.

CUMMINS	CATERPILLAR	PERKINS
YANMAR	KUBOTA	DEUTZ
DETROIT DIESEL	MARINE GEARBOXES	PUMPS / AUXILIARIES

WHAT DIFFERENTIATES CAM MARINE

Root-cause diagnosis

The objective is not simply to change the obvious failed component, but to understand the machinery system and identify the underlying fault.

Repair before replacement

Where technically sound, repair, refurbishment or adaptation is considered before costly complete replacement.

Workshop + onboard support

Work can be performed in the workshop or onboard/at customer premises depending on machinery, access and operational requirements.

Flexible specialist coordination

Machining, calibration and supporting specialist services can be coordinated as part of the repair scope.

Technical documentation

Inspection findings, measurements, calibration data, repair reports and test records can be prepared for customers and survey requirements.

**WE DO NOT SIMPLY REPLACE PARTS.
WE SOLVE MACHINERY PROBLEMS.**

Support for shipowners, shipyards & industrial operators

CAM Marine can support planned maintenance, breakdown repairs, overhaul projects, troubleshooting assignments and spare-parts requirements. For larger work, the required technicians, machining and specialist services can be coordinated to give the customer a practical single point of responsibility.

PLANNED WORK	BREAKDOWN / TROUBLESHOOTING	PROJECT SUPPORT
Engine servicing Scheduled overhaul Inspection & measurements Preventive maintenance	No-start / poor performance Oil pressure / overheating Fuel & timing faults Leaks / vibration / abnormal noise	Removal & installation Machining coordination Alignment & chocking Testing & documentation

Our commitment

To provide technically sound, commercially practical repair solutions while reducing unnecessary downtime and expenditure. We value clear communication, accurate diagnosis and completing the agreed work to a standard that allows the machinery to return to service with confidence.

Talk to us about your next repair.

For faster assessment, send the engine or equipment make/model, serial number where available, a brief fault description, operating symptoms and photographs. We can then advise on the likely inspection or repair approach and prepare a quotation where the scope is sufficiently defined.

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Marine & Industrial Diesel Engine Repair
Overhaul | Troubleshooting | Maintenance | Spares | Mechanical Engineering

Workshop

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Practical engineering. Experienced troubleshooting. Reliable repair support.