

**LEE ANTHONY LEWTAS**

IEng/IMarENG, MIMarEST, ICorr Level 1

**Principal Marine Engineer**

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Lee Lewtas is an Incorporated Marine Engineer with an STCW 2010 III/2 Chief Engineer's Unlimited Motor Certificate of Competency and is a member of the Institute of Marine Engineering, Science and Technology.

Prior to joining Brookes Bell, Lee spent 13 years at sea, beginning his career on container vessels and later moving on to large Ro-Pax, where he sailed up to the rank of Chief Engineer. He has considerable experience in the operation and maintenance of two-stroke and medium-speed 4-stroke engines and associated ancillary equipment. He has supervised numerous dry dockings and in-water surveys. Lee also has experience in onboard management and risk assessment and has been trained in the maintenance of high-voltage systems.

As a surveyor, Lee joined Brookes Bell in 2019, relocated to Shanghai in 2020, and was made Principal Engineer in 2022. He has attended various ship types, including tankers, container vessels, bulkers, heavy lift, RoRo, RoPax and offshore assets such as DP3 pipelay vessels with heavy lift capabilities and FSOs.

Lee has prepared technical reports and has given evidence as an expert witness at arbitration. He also undertakes surveys on behalf of Owners, Protection and Indemnity Clubs, Charterers, Underwriters and Maritime Lawyers.

**Professional Qualifications**

Class 1 Motor Certificate of Competency

ICorr Coatings Inspector Level 1

**Academic Qualifications**

HND Level 5 Marine Engineering

NVQ3 Marine Engineering Operations

**Professional Memberships**

Member of the Institute of Marine Engineering, Science and Technology

Incorporated Marine Engineer

**Seagoing Employment**

Stena Line UK from Fourth Engineer to Chief Engineer

CMA CGM UK Shipping from Cadet to Fourth Engineer

**Surveying and Consultancy Experience**

- Hull and machinery repairs, inspections, and assessment of costs (quantum)
- Cargo tank coating failures/paint investigations, including monitoring repairs
- Condition surveys
- Sale & purchase surveys
- New-build delivery disputes
- Conversion disputes
- MARPOL surveys (preventative and investigative)
- Opinion work on machinery failures
- Main and auxiliary engine failure investigations
- Intermediate shaft bearing failure investigations
- Main shafting systems – alignment, failure analysis and repair
- Bow door and hydraulic systems
- Gearboxes and clutches
- Turbocharger failure
- GRE/GRP composite pipe damages
- Hull contact damages
- Auxiliary boilers & exhaust gas economisers
- Steering gears
- Rudders
- Port damages (jetties, dolphins, buoys, cranes, unloaders, conveyors etc.)
- Crane failures
- Repairers' liability disputes and claims
- Engine/vessel performance assessment
- Bunker quality disputes
- Hull corrosion
- Container ship fire investigation
- Engine room flooding
- On-board management/risk assessment
- Factory/refinery audits

**Experience of main and auxiliary engines:**

- Wärtsilä
- MAN (4-stroke)
- MAN B&W (2-stroke)
- Daihatsu
- Hyundai
- Yanmar