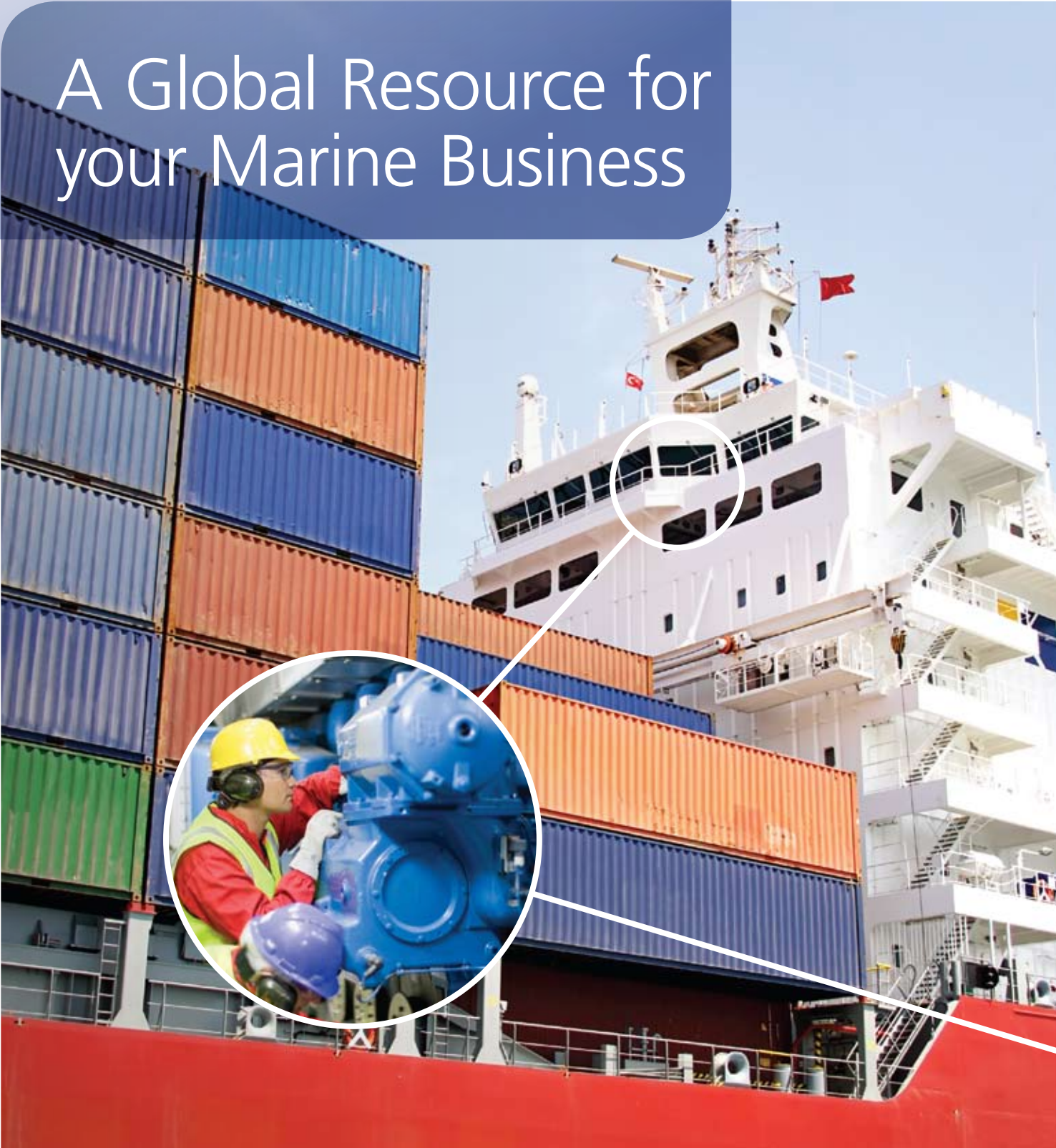


Intertek ShipCare Services



Valued Quality. Delivered.

A Global Resource for your Marine Business



Valued Quality. Delivered.

Intertek ShipCare is your global marine fuel services partner, helping you to protect your business by ensuring the quality and quantity of marine fuels, lubricants, materials, processes, cargo, tanks, vessels and more.

For more than 125 years, companies around the world have depended on Intertek to ensure the quality and safety of their marine business.



As a ship owner, operator or cargo stakeholder, your ability to run a profitable business is constantly being challenged by quality, quantity, reliability, and performance issues. In addition the demand to reduce the impact of shipping on the environment is ever increasing. Intertek is ready to help.





Your Global Marine Fuel Services Partner

Protecting your valuable assets is a key driver in running today's commercial ship operations. Poor quality fuel oil and lubricants can damage ship engines and components and can severely impact operational schedules. The in-depth expertise and knowledge of Intertek's marine fuel and lubricants oil testing service provides peace of mind that the fuel and lubricants purchased by you are fit for purpose.

In addition, our unique "Priority Advantage Desk" enables us to provide you with the test results quickly - a key factor in ensuring your assets are not at risk.

Fuel is the most significant cost in running your operation, so ensuring the exact quantity of fuel is delivered to your vessel, is your greatest commercial challenge. Our global network and local presence in more than 100 countries means we can support your bunkering operations everywhere you do business.

Compliance with safety of life at sea, SOLAS, is a mandatory obligation of any commercial shipping organization. Ensuring the health and well-being of the people operating the sea-going vessels means that risks are minimized and the crew work in a safe environment. Intertek provides critical data

and direction for helping you create and sustain a safe and productive workplace. Shipowners also have an ongoing obligation to comply with IMO (International Maritime Organisation) and other legal and quality standards to regulate emissions from ships' engines. As an active contributor to regulatory bodies, Intertek's expertise and knowledge in this field means we can help you navigate through the required regulations and demonstrate how these impact your business.

Minimizing unscheduled downtime is critical. Reliability can be impacted by poor quality fuel oil and lubricants resulting in delays and unexpected costs. Intertek's "damage prevention" programme offers you the reassurance you need for the short and long-term protection of your assets.

Maintaining a good reputation is paramount to ship owners. The potential loss of engine power can lead to many environmentally damaging consequences. Partnering with Intertek provides you with access to internationally accredited services, giving you the confidence to pursue your business goals whilst protecting your worldwide reputation and global brand.

Fuel Oil and Lubricant Testing

Fuel Quality Testing

Intertek's Lintec operation is dedicated – in every sense of the word – to provide ship owners and ship managers with a global marine fuel-testing and damage prevention programme, designed to help protect ships engines and ensure environmental and legislative requirements are met.

Marine fuel analysis is performed to ISO 8217 specifications, helping your ship fuel comply with Marpol Annex VI, the EU Sulphur Directive, Emission Control Area (ECA) requirements, and other legal and quality standards.

Reports of analysis are issued with full engineering comments and, in the event of any off specification fuels, recommendations for corrective treatment.

Speed of response is vital for a vessel that has fuel on board that is not fit for purpose. The global coverage of Intertek ensures prompt remedial action and helps protect vital assets.

Complementing the regular sample program, additional services can be provided, including the chemical screening of submitted samples, pre-testing of bunker fuel stems, bunker quantity surveys and detailed investigative analysis.

To facilitate these services Intertek employs a state-of-the-art web-enabled Laboratory Management System giving our clients advanced interrogation tools. Another key differentiator of the Intertek service is the unique Priority Advantage Desk (PAD) which sets industry leading standards in its speed of reporting.



Convinced by the benefit of marine fuel testing a major client enrolled their entire fleet on our chemical screening programme. Within weeks bunkered fuel containing contaminants had been identified on a vessel and reported to the client. Rather than recommending to immediately de-bunker the vessel, all parties agreed to continue to operate the ship under constant monitoring. When the vessel encountered difficulties the charterer arranged for the fuel to be de-bunkered and replaced with a new fuel stem. The degree of contamination was tested and the charterer accepted liability for all costs.

Fuel Quantity Measurement

Intertek bunker quantity surveyors (BQS) offer independent third party quantity measurement inspection services for marine fuels on a global basis.

Detailed bunker quantity survey reports are issued, confirming accurate delivery and, in some cases, reporting bunker fuel shortages, thereby helping clients in fuel shortage claims and assisting in quality disputes.

Lubricant Analysis

Costly ship engine and system damage and shutdown due to lubricant problems can be avoided and mitigated with a proper lubricant condition monitoring program. Intertek's lubricant quality testing program (LQS) was developed by leading classification societies to assess ship systems

Lubricant quality supports planned monitoring and assessment programs thereby contributing to extending time between overhauls (TBO) with corresponding reduction in costs.

Oil condition monitoring expertise provides a comprehensive, independent and authoritative service to monitor machinery health. Our testing program has been specifically developed to review marine equipment, including engines, hydraulic systems, stern-tubes, gearing systems, lift gear and thrusters.



By partnering with Intertek Lintec this serious issue was identified quickly and resolved with minimum disruption to the ongoing operations. The commercial, environmental and human impact to the Ship Owner was managed efficiently and at a low cost.





Intertek's microbiology laboratories also ensure potable water on board supply boats and standby vessels is of the quality demanded.

Related Services

In addition, Intertek ShipCare provides a number of non-fuel related marine services to help customers. These include:

Cargo Inspection Testing and Tank Calibration

Intertek inspection and testing service protects bulk commodity cargos, significantly reducing the risk of loss exposure to the trading parties involved.

Intertek provides a range of measurement and calibration services, including vessels, tanks and metering systems. Using the latest technology for tank calibration, employing state-of-the-art measuring devices, Intertek measures and calibrates tanks of various shapes, sizes and designs. In-depth loss control investigations are available, conducted by seasoned Intertek veterans with years of industry experience.

Intertek cargo survey and inspection services include:

- Crude oil and refined petroleum products
- Cargo additive treatments for off-specification crude and fuels
- Tank inspection
- Dry bulk ore, coal and other minerals
- Agricultural and other bulk commodities
- Chemical cargos
- Container inspection
- Pre-shipment inspection
- Loading and unloading inspection

Cargo Additive Treatment

Intertek and Baker Hughes additive services supports commercial clients with their petroleum and refined product cargoes, helping them meet crucial cargo quality specifications. Intertek additive treatment professionals treat crude oil, fuel and other petroleum product cargos with stabilizers, corrosion inhibitors and other additives. By treating the cargo Intertek helps clients meet quality specifications. Intertek additive services are used for products in tankers, storage tanks and other facilities, pipelines and barges.

Petroleum cargo additive treatment services:

- Tailored dosage recommendations to meet specific applications
- Mobile equipment is available for on-site and off-shore treatments
- Expertise and significant industry experience to offer clients optimal additive solutions
- Cargo Treatment Services
- Hydrogen Sulphide Management (H2S)

Marine Environmental Services

Microbial Testing and Sampling for Supply Boats and Standby Vessels

Intertek microbiology expertise ensures potable water and diesel on board supply boats and standby vessels is of the quality demanded. Cleanliness of drinking water and quality of diesel on board supply boats and standby vessels is of great importance to the crew, the companies involved, and those to whom it is eventually supplied.

Crew and offshore personnel alike rely on the quality of potable water to be of a standard acceptable for drinking, as any 'unclean' water consumed could lead to outbreaks of illness both on board vessels and offshore installations.

Use of poor quality diesel can lead to problems once it has been discharged onto an installation, due to the sensitive nature of machinery and equipment, as well as on the vessel itself. Hydrocarbon contamination of potable water tanks can also be an issue. Intertek clients are made aware of any potential problems by having water tanks sampled for hydrocarbons. The sampling and analysis of water and diesel should be performed on a regular basis in order to ensure water quality is of acceptable standards.

Intertek personnel are trained to take the samples in an efficient and undistruptive manner. Once delivered to our laboratories, qualified staff perform accurate analyses on the samples, and provide speedy results either via fax, e-mail or over the phone, as well as a final formal report.

Modelling, GIS and Metocean Expertise

Intertek Metoc's offshore modelling team provides a sound understanding of how your assets will interact, with the marine, coastal or river environments. We review normal operating conditions and extreme environmental conditions, and help determine if your operations will alter or impact the local environment. By using Intertek, your design and operating costs are optimized and, of equal importance, regulatory and financial buy-in is obtained.



Intertek offers offshore well control training courses, IADC and IWCF certified. Classes include introductory, fundamental and supervisory level well control courses.

Marine Training, Safety and Certification Services

Intertek's customized marine stability courses help fill a void that has existed in the oil and gas industry for many years. Providing a standard that goes beyond compliance, Intertek also offers US Coast Guard and IADC approved instructional services, consultation and offshore marine support to drilling contractors and floating production facility operators worldwide.

Our marine training courses, including our US Coast Guard Approved Licensing for Offshore Installation Managers, Barge Supervisors and Ballast Control Operators and our US Coast Guard Approved Stability Courses for MODUs, SPARs, TLPs, and FOIs are designed to develop the competencies required for safe and productive marine operations.

Marine Licensing prepares candidates for the USCG licensing exam, covering topics such as a review of stability theory and principles, MODU regulations, emergency procedures, survival craft, fire fighting and maritime law. Assistance is also available to help Mariners with endorsements or to convert USCG licenses to other reciprocating Flag States.

Our Marine Stability courses will be customized specifically to your organization's vessel types including liftboat, inland barge, jack-up, and submersible units.

In addition, Intertek offers IADC and IWCF approved well control and safety leadership courses. Our introductory, fundamental and supervisory well control courses are available for:

- Drilling only – surface stack or Drilling only - surface and subsea stack
- Drilling, workover and completion
- Combined workover/completion and well servicing

Specialized courses are also available to provide your crews with the competency to handle the unique challenges and concerns present in High Pressure High Temperature (HPHT) operations.

Management Systems Auditing and Certification

As an accredited third-party registrar, we provide independent verification that your management system meets a variety of internationally-recognized standards, such as ISO 9001 or ISO 14001, while assessing its effectiveness in achieving your business objectives. Intertek's internal audit, second party supplier audit and Performance Model process analysis services will help you proactively monitor performance while saving valuable time and money.



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