

A large circular image of an oil pumpjack at sunset, with a teal background. The pumpjack is silhouetted against a bright orange and yellow sky with scattered clouds. The sun is low on the horizon, creating a strong glow. The pumpjack's long arm is extended upwards, and the counterweight is visible. The overall scene is industrial and atmospheric.

***ciss***  
Commodities  
International  
Survey Services

**Petroleum  
& Bunker  
SURVEY**



*It's Shipping & Survey*



**Our Company CISS Group  
(Commodities International  
Survey Services) –  
this is a team of  
professionals with  
experience of doing  
business in major  
international survey  
companies more than  
15 years.**

## ABOUT COMPANY

We have teamed up our forces, experience and knowledge in order to offer only the best practice and business solutions in the field of independent inspections for active commodities traders (crude oil, iron ore, bauxites, grains) and others players all over the world.

Operational excellence and high standards of **CISS GROUP** allow our partners feel protected twenty-four-hour a day.





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**The oil and gas inspection industry operates according to stringent standards that primarily strive to keep equipment running efficiently while**

**maintaining workplace safety.** Conforming to such standards is challenging because oil and gas operations involve drilling (both on land and offshore), reservoir engineering, well servicing, production services, refining and transportation of petroleum products, and many other

operations.

Not only is it challenging to conform to industry standards, but it is expensive to maintain a safe workplace and to protect workers from harm. It is necessary to equip workers with protective apparel; to continually train them on practicing safety procedures; and to keep them up to date on practicing improved equipment inspection techniques.



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## **OIL & PETROCHEMICALS services include:**

- Inspection, sampling and testing of crude oil, petroleum products, LPG, petrochemicals and chemical gases
- Bulk oil cargo measurement
- Blending
- Additivisation
- Laboratory tests
- Ship to ship inspections
- Tank cleanliness inspections
- On/off hire surveys
- Bunker inspections
- Tank calibration
- Loss control





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**PRE-SHIPMENT  
INSPECTION  
services include:**

- Loading, discharge inspections
- Evaluation of manufacturer's production capability
- Cargo sampling for quality parameters testing





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**CISS GROUP** petroleum (crude oil) and petroleum-products bulk cargo inspection services help ensure quality and quantity when trading and transporting high value petroleum cargo movements. **CISS GROUP** expertise reduces financial risks to trading parties.



**CRUDE OIL**



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**CRUDE OIL**

**Bulk petroleum and refined products inventory and custody transfer inspection:**

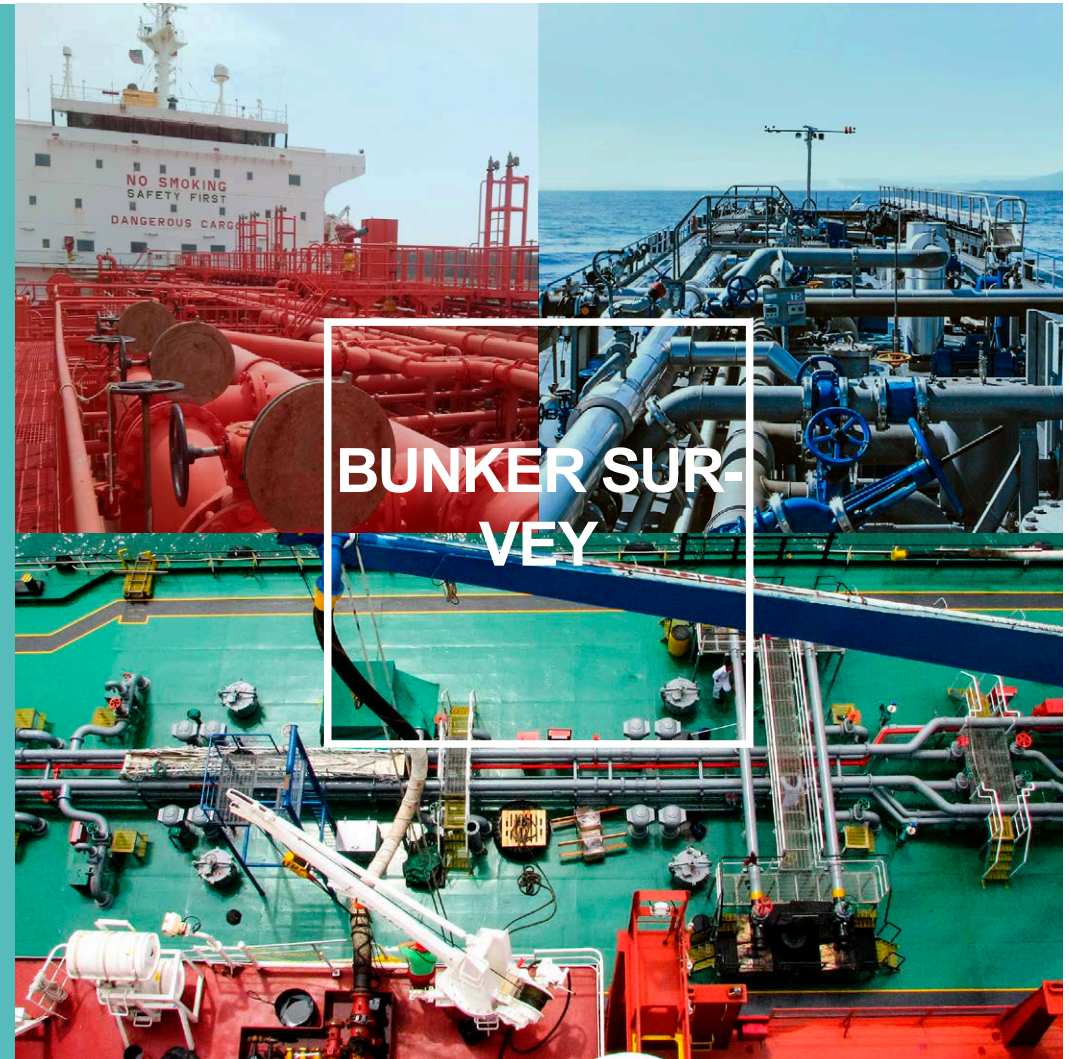
- Tank Gauging
- Atmospheric Monitoring
- Product Sampling to Industry Standards
- Tank Cleanliness Inspection
- Tank Wall Wash
- Tanker Lightering
- Auto-Sampling
- Investigation of Cargo Discrepancies
- Sampling, Sample Transport
- Sample Quality Laboratory Testing and Retain

**CISS GROUP** regularly conducts inspections of petroleum distribution systems and analyzes samples of petroleum products. Gasoline, alternative fuels (E85, biodiesel, ethanol, etc.), kerosene, diesel, fuel oil, antifreeze products and brake fluid products are routinely tested and must meet strict standards.



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As bunker fuel is often the largest contributor to the operational costs of a ship, it is critical that the fuel purchaser ensures the correct amount of fuel is received, or has sufficient information to substantiate their claim in the event of any dispute.







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**As bunkering operations often take place some distance from the fuel purchaser's office, it is in their interest to engage a **CISS Group's** surveyor to verify the quantity delivered and oversee fuel sampling for laboratory analysis.**

The survey is carried out to measure and ascertain the quantity of Bunker on board at the specific time. This survey is produced the report that states the amount of bunker, usually **Fuel Oil (HFO)** and **Diesel Oil (LFO/DO)**, and sometimes **Lubricating Oil (LO)** is included.

**CISS Group** know how to conduct the Bunker Survey on the ships berthed or at anchorage place (so-called STS operation).

#### **Survey Tools required for Bunker Surveyor**

- Notes Book and Sounding Tape,
- Thermometer,
- Density Meter for Oil (0.750 -1.000),
- Oil and Water Paste,
- Petroleum ASTM Table 54B (for Product Oil) and Table 56,
- Goggles and Glove,
- Flashlight,
- Bottle or Can for Sampling (if required taken samples).



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**CISS GROUP laboratory is equipped with the most-up-date and state-of-the-art instruments which allow the lab personnel to perform testing with greatest speed and utmost accuracy. The laboratory covers a comprehensive range of tests for every main product so as to provide an excellent service with full test scope.**

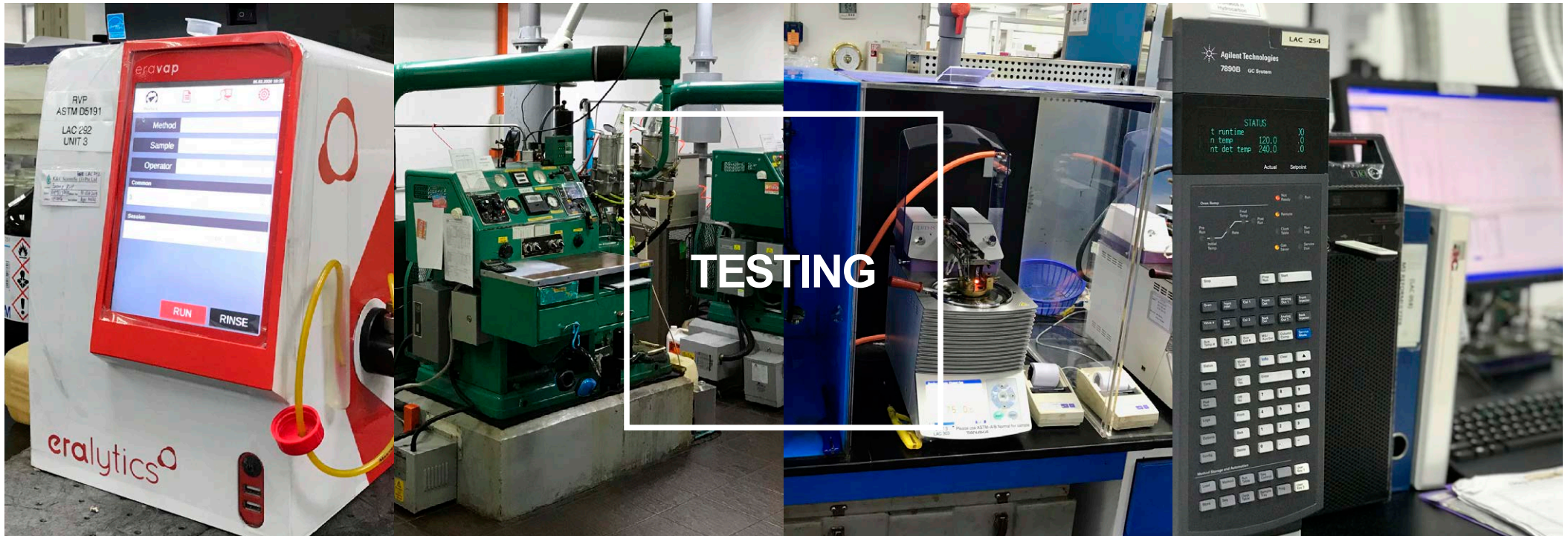




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**Petroleum laboratory  
can offer you all  
following analyses  
(based on ISO 8217:2017  
specifications):**

Density @15°C, Viscosity @50°C, Water, Micro Carbon Residue, Sulfur, Total Sediment Potential, Ash, Vanadium, Sodium, Iron, Nickel, Calcium, Magnesium, Zinc, Phosphorus, Potassium, Pour Point, Flash Point, Aluminium + Silicon, CCAI (Ignition Quality), Acid Number, Net Specific Energy, Cetane Index, Kinematic Viscosity @40°C, Hydrogen Sulphide, Oxidation Stability, Lubricity (WSD 1.4) @60°C, Micro Carbon Residue on 10% (v/v) Distillation Bottom





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Aviation fuel is a specialized type of petroleum-based fuel used to power aircraft. It is generally of a higher quality than fuels used in less critical applications, such as heating or road transport, and often contains additives to reduce the risk of icing or explosion due to high temperature, among other properties. The most important test for Air Jet – Freezing Point.





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**Fueling and service stations must be checked regularly to ensure safety standards are being met.**

**Fuel Quality Monitoring:**

**CISS GROUP** provides field fuel sampling and laboratory testing services to support regulatory and consumer protection programs.

**Petrol Pump Calibration for Metrological Control:**

**CISS GROUP** verifies the accuracy of measured fuel quantity delivered matches the fuel pump reading, helping assure consumer protection.

Petrol station fuels samples and tested include the full range of fuels and their components and additives, including gasoils, gasoline, diesel, fuel oils, biofuels, DEF (AdBlue), CNG, LPG and other fuels.

**FUEL**





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International  
Survey Services**



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