

WSS TOTAL ACID NUMBER (TAN) KIT

Product group: **663** Product number: **673160**

The WSS Total Acid Number (TAN) Kit is a rapid onboard testing solution designed for the marine industry to monitor the acidity of lubricants and light distillate fuels such as Marine Gas Oil (MGO). Unlike a simple pass-or-fail measurement, TAN is most valuable when tracked over time. As all new oils and fuels possess an inherent TAN value, monitoring changes from the baseline provides a clearer indication of oxidation, contamination, degradation, and overall fluid condition.



Regular TAN trending helps vessel operators identify developing issues early, optimize oil drain intervals, and protect machinery from corrosive wear and deposit formation.

Developed for shipboard use, the WSS TAN Kit delivers fast, reliable results without the need for laboratory analysis, enabling proactive maintenance and informed decisions onboard.

Product information

The WSS TAN Kit is a portable test kit for measuring the Total Acid Number (TAN) of marine lubricants and light distillate fuels, including Marine Gas Oil (MGO). Using a simple titration method, the kit quantifies acidic compounds formed through oxidation, contamination, and thermal degradation.

As every fresh oil or fuel has an inherent TAN value, the key to effective condition monitoring is observing how TAN changes throughout service life. Increasing TAN levels can indicate lubricant ageing, fuel degradation, or the onset of corrosive conditions that may impact equipment reliability.

Suitable for engine oils, hydraulic oils, gear oils, turbine oils, and MGO, the kit provides results within minutes directly onboard. Compact and easy to use, it supports trend analysis, optimized maintenance planning, and improved protection of critical marine equipment.

Features

- Based on the ASTM D974 colour indicator titration method.
- Provides rapid measurement of Total Acid Number (TAN) in lubricating oils.
- Utilizes a visual colour-change endpoint for simple result interpretation.

Benefits

- Enables quick assessment of lubricant condition and degradation.
- Helps detect the build-up of acidic contaminants and oxidation products.
- Supports predictive maintenance and condition-based monitoring programs.

Specification

Documents

[TAN Kit Manual](#)



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