DREW XP VISCOSITY EVALUATOR KIT

DESCRIPTION

The DREW XP VISCOSITY EVALUATOR KIT is used for quick, simple onboard assessment of the viscosity of lube oil in service on the vessel. It provides the ability to visually compare the rate of flow between equal amounts of used and new lube oil, without the need to heat the samples. The self-contained test kit consists of the test device, syringes, and an easy-to-use manual.

Differences between the two samples indicate changes in lube oil viscosity suggesting possible oxidation or contamination by fuel oil, which may compromise lube oil effectiveness if not treated or replaced.

In cases where precise viscosity values are required to meet particular lube oil viscosity specifications, the DREW XP VISCOSITY METER (PCN 1AB2765) is available separately for accurate quantitative analysis onboard.

For best value, the DREW XP VISCOSITY EVALUATOR KIT is offered as part of an integrated onboard testing program designed to streamline and optimize lube oil management. The DREW XP LUBE OIL FIVE-TEST KIT also provides all components needed for testing lube oil for water content and sea water contamination, insoluble contaminants, and total base number as a measure of alkalinity reserve.

VISCOSITY OF LUBE OIL

Viscosity, which measures resistance to flow, controls the thickness of lube oil film protecting critical metal parts under hydrodynamic conditions.

Onboard comparative tests can be used to monitor lube oil condition both at scheduled intervals and to investigate symptoms of possible degradation or other problems. When test results indicate significant differences between lube oil viscosity and reference values, the used lube oil sample should be forwarded to an accredited shore-based laboratory for viscosity confirmation and guidance regarding corrective measures.

TECHNICAL SPECIFICATIONS AND OPERATING FEATURES

- The test device in the DREW XP VISCOSITY EVALUATOR KIT consists of two side-by-side channels containing separate reservoirs. A sample of lube oil taken from shipboard systems and an equal amount of unused lube oil are placed in the reservoirs.
- Tilting the device allows operators to qualitatively compare the rate of flow between the two samples, using an O.K. range indicator based on the flow of the new oil sample.
- No heating of oil sample or use of costly reagents is required.
- Step-by-step testing procedures are easy to follow.
- Results provided in less than a minute.

BENEFITS AT A GLANCE

- Allows operators to quickly evaluate lube oil health using viscosity as an indicator.
- Alerts operators to potential lube oil quality deficiencies and possible system performance issues.
- Complements shore-based analytical testing with frequent screening of lube oil samples. Cost-effective for routine lube oil monitoring.

CLEANUP AND HANDLING

The use of harsh chemicals for cleaning test kit instruments and accessories is not advisable. Use only approved cleaning agents (e.g. Drew Marine's TEST KIT CLEANER—PCN 1AB2738) to clean test kit components, and wipe clean using a dry rag. Dispose of the used rag as used oil.

TEST PROCEDURES

For step-by-step operating procedures and precautions, refer to the Viscosity section of the Operating Manual for the DREW XP LUBE OIL FIVE-TEST KIT

CONTENTS AND ORDERING INFORMATION

This test is standard as part of:

- DREW XP LUBE OIL FIVE-TEST KIT (PCN 1AB2760)

Reorders

- DREW XP VISCOSITY EVALUATOR KIT (PCN 1AB2764)

Spares and Replacements	
DESCRIPTION	PCN
Test Syringe, 5ML, 40 CT.	1AB2812

Contact your Drew Marine representative for more information

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Drew Marine maintains Safety Data Sheets on all of its products. These documents contain health and safety information for the development of appropriate product handling procedures to protect your employees. Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.

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