



6801-6807

MULTILEC® INDUSTRIAL OIL

A truly multi-functional industrial oil to meet the requirements of air compressors, hydraulics, industrial turbines, R&O industrial and R&O gear applications.

MULTILEC® INDUSTRIAL OILS are designed specifically to combat the effects of high temperatures (oxidation), water, contaminants and heavy loads which accelerate wear, and to provide much longer equipment and oil life in a variety of industrial applications.

MULTILEC® INDUSTRIALS OILS are a unique synergistic blend of 100% paraffinic base oils and exclusive additive technology, including MONOLEC®, LE's exclusive wear-reducing additive. This scientifically balanced formulation provides performance levels and versatility unprecedented for petroleum oils, and performance levels far beyond that typical for 100% synthetic lubricants. With its ability to excel in compressor, hydraulic, turbine, R&O industrial and R&O gear applications, MULTILEC® is the most versatile and multi-purpose product on the market today.

USER BENEFITS:

- **Greater Reliability & Less Downtime** – With MULTILEC® Industrial Oil your equipment will last longer and work when you need it –whether it runs intermittently or continuously.
- **Reduced Wear** – MONOLEC®, LE's exclusive wear-reducing additive, plus other anti-wear additives provide exceptional film strength and proven protection against both wear and scuffing.
- **Reduced Power Consumption** – Less frictional drag means less amperage used.
- **Lower Operating Temperatures** – Are a result of lower friction and wear. In addition, a highly effective foam suppressant breaks up air bubbles, assuring a dense and uniform lubricant layer.
- **Excellent Water Separation & Rust Control** - Carefully selected and refined paraffin base oils are highest in moisture resistance and will not readily mix with water. Therefore, accumulated excess water can be easily drained off.
- **Longer Effective Oil Life** – Results from using a superior oxidation resistant, nonfoaming unique anti-wear lubricant with water separation ability.
- **Minimizes Carbon, Varnish or Sludge Formation** – A unique blend of 100% naturally high VI paraffin base oils, along with exclusive additive technology, assist the oil in resisting the detrimental effects of high temperatures. This means longer effective oil life vs. ordinary oils.
- **Lower Maintenance and Replacement Costs** – Are achieved through reduced wear, decreased deposit/sludge formation, lower operating temperatures and longer oil life. This translates into four to six times extended drain intervals vs. ordinary oils, lower maintenance costs, parts and labor, reduced power consumption and less capital outlay as your equipment lasts longer. Extended drain intervals also mean less waste oil disposal concern.
- **Reduced Product Inventory** – The ability of this truly multi-purpose lubricant is to simplify lubrication to the point that the only parameter needed for a product recommendation is viscosity.
- **VERSATILITY** - Available in a variety of viscosities, MULTILEC® Industrial Oil meets requirements of various types of equipment.

6801 ISO 32 6804 ISO 100 6806 ISO 220
6802 ISO 46 6805 ISO 150 6807 ISO 320
6803 ISO 68

TYPICAL APPLICATIONS:

- Air Compressors
- Hydraulics
- Circulating Oil Systems
- Air Line Oilers
- Bearings
- Gearboxes
- Industrial Turbines
- Vacuum Pumps
- Blowers

WHAT IS MONOLEC?

MONOLEC® is LE's exclusive wear-reducing additive which has proven its extraordinary performance in thousands of applications. It is an invaluable component in LE's Industrial Oils, Engine Oils and other lubricants bearing the MONOLEC® trademark.

MONOLEC® creates a single molecular lubricating film on the metal surface, vastly increasing film strength without affecting tolerances. LE's MONOLEC® allows opposing surfaces to slide by one another with greatly reduced friction, heat and wear.



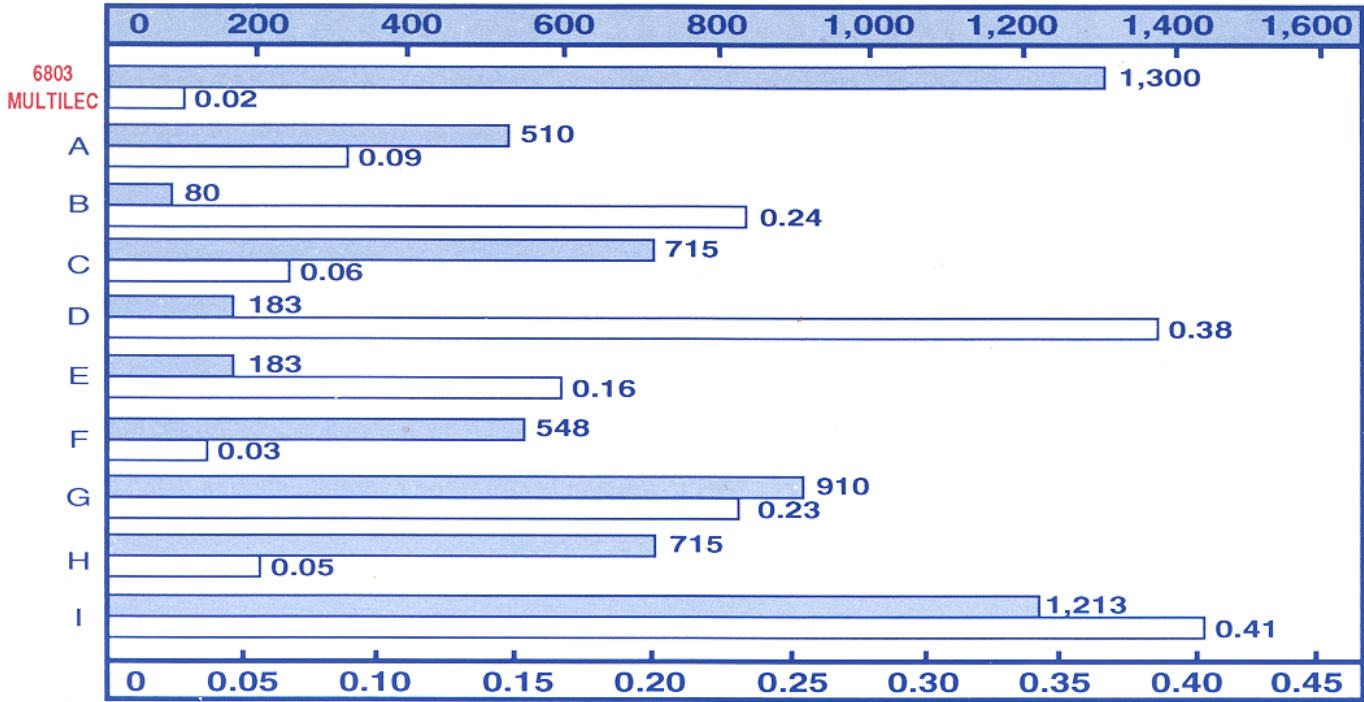
LUBRICATION ENGINEERS, Inc.®

LEADERS IN LUBRICANTS

LE Products manufactured under an
ISO 9001:2000 Certified Quality
System

ROTARY BOMB OXIDATION TEST ASTM D-2272 (RBOT)

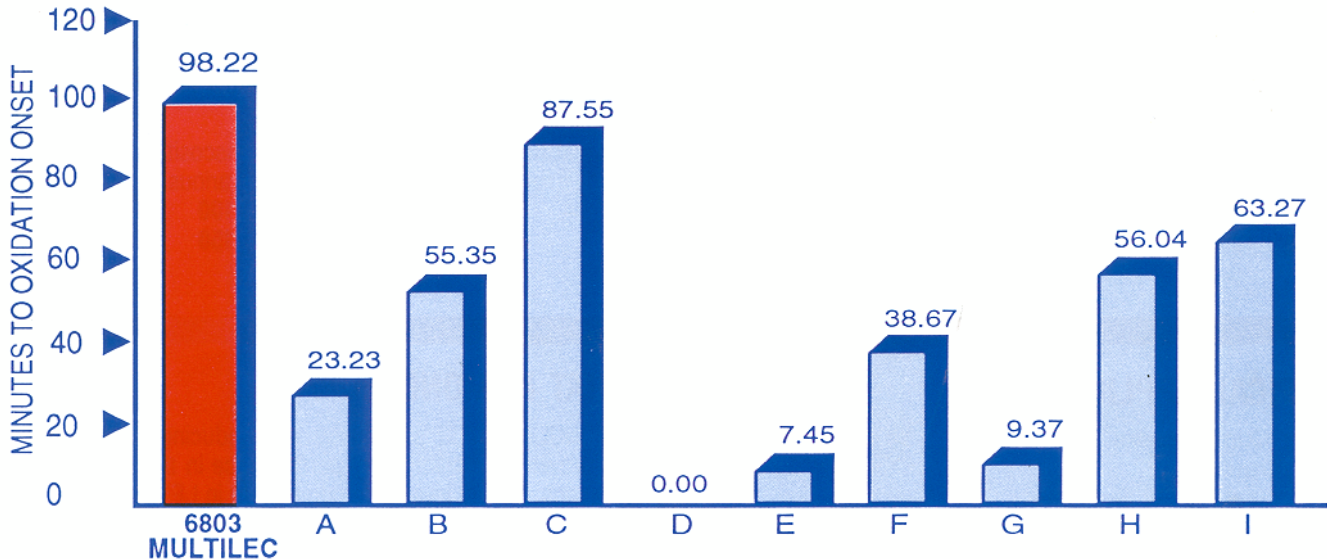
OXIDATION INDUCTION TIME (MINUTES)



DIFFERENCE IN PENTANE AND TOLUENE INSOLUBLES (WT%)

The RPVOT ASTM D-2272 Test illustrates the superior oxidation resistance of MULTILEC® as compared to the various other compressor and industrial oils. In this test a sample of the oil is placed in a sealed container with water and a copper catalyst. It is pressurized with 90 psi of oxygen and heated to 150°C (302°F). The time is measured to a 25 psi drop in pressure. This signifies a significant reaction has occurred between the lubricant and the oxygen – oxidation. **MULTILEC® INDUSTRIAL OILS HAVE LONGER OXIDATION LIFE AND LOWER INSOLUBLE LEVELS THAN ANY OF THE OTHER OILS TESTED – PETROLEUM OR SYNTHETIC!**

PRESSURE DIFFERENTIAL SCANNING CALORIMETRY (PDSC)



Confirming data for the unmatched oxidation resistance of MULTILEC® Industrial Oils comes from the new Pressure Differential Scanning Calorimetry (PDSC) Test. This computer operated thermal analysis equipment can accurately detect any exothermic (heat releasing) or endothermic (heat-absorbing) chemical or physical changes which occur in the sample under evaluation. The above graph illustrates the time to the onset of oxidation for a number of oils at a temperature of 383°F. (195°C.) and an oxygen pressure of 500 psi. **MULTILEC® HAD A LONGER OXIDATION LIFETIME THAN ANY OTHER OILS TESTED!**



LUBRICATION ENGINEERS, Inc.

LEADERS IN LUBRICANTS

LI30042
Rev. 04-03
6801 Flyer