



LUBRI-LAB
INC.

TECHNICAL DATA

MULTI-1™

Hydrostatic & hydraulic treatment

DESCRIPTION

Multi-1 anti-wear treatment formulated to provide an increasing resistance to wear, corrosion and oxidation. Helps to maintain the viscosity of oil under extremes conditions of work and heat. It re-hydrates and rejuvenates seals in hydrostatic applications to stop weeping.

APPLICATIONS

- Hydraulic and hydrostatic systems
- Automatic transmissions
- Compressors
- Turbines

ADVANTAGES

- Hydraulic fluids are enhanced with Multi-1's anti-wear properties, providing needed protection to pumps, valves, seals and other wear items
- Cleans internal parts, eliminating varnish and corrosion
- Improves resistance to oxidation
- Reduces cavitation, heat and extends oil life
- Re-hydrates and rejuvenates seals
- Stops most hydraulic leaks
- Reduces heat in hydraulic oil
- Winter formulation available, maintains oil viscosity
- Dielectric rigidity up to 30.8 kV
- Resists water and humidity
- Food approved standard H-2, CFIA No. :/L125

The above information is true and precise to the best of our knowledge. All recommendations or suggestions are made without warranty since the circumstances and conditions are beyond our control.

For further information contact : **Lubri-Lab Inc.:** info@lubrilab.com

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Tel.: (888) 449-1626 (450) 449-1626 Fax: (450) 449-9174

www.lubrilab.com

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PROBLEMS

MULTI 1 treatment prevents leaks caused by seal defects. It minimizes gear shifting difficulty and reduces transmission wear from undetected problems. The additive is compatible with all types of transmission fluids.

Two major problems are :

- Shrinking or hardening of seals, causing fluid loss
- Varnish deposits on seals and parts

The shrinking or hardening of seals causes fluid loss, which hinders gear shifting and can even stop gears from shifting altogether. Loss of fluid causes slipping, which, in time, wears out bands and / or clutch plates. The varnish coat traps contaminants and forms an abrasive that wears input and output shafts to a point that even a new seal cannot ensure air tightness. Therefore, the shafts must be replaced.

The varnish also causes sticking in regulators and valves, clogs up pumps and paralyzes servo-modulator valves. The interaction between the different parts is thus impaired, making it difficult to shift gears, causing jerk in the transmission, and risking complete inertia.

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SOLUTIONS

MULTI 1 additive contains ingredients which:

- Eliminate varnish from seals and interior parts of the transmission
- Recondition seals

These ingredients are designed to eliminate varnish and dissolve its deposits on seals. They also prevent loss of pressure due to the lifting of the edges of the seal while allowing penetration of the revitalizing element. Used at the right moment, it prevents wear of shafts and stops the formation of varnish on the complex elements of the transmission: regulators, valves, power steering and pumps.

The reconditioning ingredient maintains the flexibility of new seals and restores flexibility to hardened seals, while revitalizing and expanding those that have shrunk. Multi-1 anti-wear treatment from LUBRI-LAB was designed for use hydraulic systems, compressors and turbines.

PROBLEMS / HYDRAULIC SYSTEMS

Hydraulic oils are subjected to specific operating conditions and must meet the following criteria:

- Resist Oxidation
The hydraulic oils, particularly those with a mineral oil base, must be very resistant to oxidation, due to the extreme pressure and temperatures to which they are submitted.
- Resist Corrosion
The hydraulic oils must also possess excellent properties of resistance to corrosion to protect the system's mobile parts.
- Resist Wear
The hydraulic oils require excellent properties of resistance to wear in order to protect hydraulic pumps and other mobile parts of the system.

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SOLUTIONS / HYDRAULIC SYSTEMS

Because of its exceptional properties, Lubri-Lab Multi-1 added to your oil will help reduce wear to the pump and other mobile parts of the system, and will also increase the level of resistance to oxidization and corrosion.

MEETS THE REQUIREMENTS OF :

- Lee- Norse 100-1
- Jeffrey no87
- Denison HF1 HF-2 HF-0
- Din51524 Part 2
- Ford M-6C32
- B.F. Goodrich
- US Steel 136.27
- Vickers 1-286-SM-2950-S
- Dielectric Strength (D877) 30.8kV

DIRECTIONS

Add 5 to 10% of **MULTI-1** to your hydraulic oil.

Add 3 to 5% of Multi-1 if the quantity of hydraulic oil is 5000 litres or more.

Special features: Approved **H-2** for food equipment by : *Agriculture and Agri-Food Canada, Food Production and Inspection Branch*. Avoid food contamination during application and storage. **File number: 3100-3/L125**

Availability : Case (12 x 1 litre), 10 litres, 20 litres, 55 litres, 205 litres.

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