

# Product Information

## High Performance Lubricants

DOW CORNING

# *Molykote*<sup>®</sup> Hydraulic Oils

## FEATURES

---

- Lower overall maintenance costs
- Wider temperature range
- Longer oil-drain intervals
- Reduced lubricant consumption
- Extended equipment lifetime
- Reduced energy consumption
- Long life reduces lubricant usage, maintenance costs

## COMPOSITION

---

- Hydrocracked mineral oil (MO) and polyalphaolefin/mineral oil (PAO/MO), based lubricants.

## DESCRIPTION

*Molykote*<sup>®</sup> hydraulic oils minimize formation of emulsions in contact with water due to the purity of the base fluid. They will generally perform successfully in hydraulic systems far longer than conventional hydraulic oils. Plants can gain significant savings from reduced oil consumption, reduced disposal cost, labor savings and fewer interruptions to production. These non-toxic oils are derived from hydrocracked or synthetic base stocks and can be used in systems designed for low pour point or high flash point mineral oils.

## HOW TO USE

Follow equipment manufacturer's recommendations for maintenance procedures and oil specifications.

To ensure the longest possible life for lubricating fluids, sample analysis is recommended. When utilized on a regular basis, sample analysis can track normal aging and depletion of antioxidants in lubricating fluids. Sample analysis can identify abnormal contamination that may be limiting lubricant life. Contact Dow Corning customer service for additional information.

## LISTING AND SPECIFICATIONS

*Molykote* lubricating fluids are kosher approved and conform to USDA listing requirements under H-1 or H-2 designations (see Typical Properties table). An H-1 designation indicates the lubricated part can have incidental food contact not to exceed 10 ppm. An H-2 designation indicates the lubricated part cannot have contact with food.

## HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at [www.dowcorning.com](http://www.dowcorning.com). You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

## USABLE LIFE AND STORAGE

*Molykote* hydraulic oils have a shelf life of 60 months from date of manufacture. Refer to product packaging for use-by date.

## PACKAGING

*Molykote* hydraulic oils are available in 18.9- and 208.2-L (5- and 55-gal) containers.

## LIMITATIONS

These products are neither tested nor represented as suitable for medical or pharmaceutical uses.

## SHIPPING LIMITATIONS

None.

## HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [www.dowcorning.com](http://www.dowcorning.com) or consult your local Dow Corning representative.

## LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

*We help you invent the future.™*

[www.dowcorning.com](http://www.dowcorning.com)

## TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

<i>Molykote</i> ® brand Product	NSF	ISO Grade	Viscosity @ 40°C, cSt	Viscosity @ 100°C, cSt	Viscosity @ 100°F, cSt	Viscosity @ 210°F, cSt	Viscosity Index	Flash Point, °F	Fire Point, °F	Pour Point, °C	Density @ 20°C, g/mL	Density @ 20°C, lb/gal	Base Oil	Additive Package
<b>Hydraulic Oils<sup>1</sup></b>														
L-0322 Hydraulic Oil	-	22	21.5	4.2	-	4.4	100	365	385	-21	0.852		MO	R&O/AW
L-0532FG Multi Purpose Light Oil <sup>4</sup>	H-1	32	31.2	5.3	34.3	5.4	103	420	445	-18	0.857	7.13	MO	R&O/AW
L-0346 Hydraulic Oil	H-2	46	45	6.6	49.9	6.8	105	430	445	-21	0.864	7.19	MO	R&O/AW
L-0346FG Hydraulic Oil	H-1	46	44.5	6.6	49	6.7	100	425	440	-21	0.86	7.16	MO	R&O/AW
L-1346FG Synthetic Blend Hydraulic Oil	H-1	46	44.7	7.4	49.2	7.6	131	460	545	-42	0.832	7.11	PAO/MO	R&O/AW
L-1368FG Synthetic Blend Hydraulic Oil	H-1	68	68.2	10.3	75.6	10.5	138	470	565	-42	0.838		PAO/MO	R&O/AW
L-0368FG Hydraulic Oil	H-1	68	66	8.3	73.9	8.6	100	460	485	-15	0.867	7.22	MO	R&O/AW
L-0568 Multi Purpose Oil footnote 4 here	H-2	68	68.5	9.2	76.3	9.4	110	450	480	-15	0.868	7.22	MO	R&O/AW
L-0510 Multi Purpose Oil	H-2	100	103	11.8	104	12.1	95	470	495	-15	0.876	7.29	MO	R&O/AW
L-0510 FG Multi Purpose Oil	H-1	100	105.1	12	118.2	12.3	103	495	540	-15	0.866	7.21	MO	R&O/AW
L-1332FG Synthetic Hydraulic & Gear Oil	H-1	32	31.7	5.8	-	-	127	440	485	-42	0.834	-	PAO/MO	R&O/AW

<sup>1</sup>Typical values; not for use in preparing specifications.

<sup>2</sup>The H-2 designation indicates the lubricated part cannot have contact with food.

<sup>3</sup>The H-1 designation indicates the lubricated part can have incidental food contact not to exceed 10 ppm.

<sup>4</sup>The oil date is also displayed in the *Molykote*® Hydraulic Oils Data Sheet.