

# Product Information

## Industrial Lubricants

# *Molykote*<sup>®</sup> Gearbox and Chain 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 cost

### COMPOSITION

---

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

### DESCRIPTION

*Molykote*<sup>®</sup> Gearbox and Chain Oils help prevent wear and process interruptions in power transmission systems and components. Compared to conventional oils, they also offer greater resistance to oxidation and stable performance at high temperatures and under high loads. *Molykote* Gearbox and Oils maximize fill intervals and maintain viscosity characteristics at wide temperature ranges.

### HOW TO USE

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

To ensure the longest possible life span 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. Moreover, 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 [dowcorning.com](http://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* Gearbox and Chain Oils have a shelf life of 60 months from date of manufacture. Refer to product packaging for use-by date.

### PACKAGING

*Molykote* gearbox and chain lubricants 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.

### 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, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

## 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.

| <b>Molykote® brand Product</b>                | <b>NSF</b>       | <b>Viscosity@<br/>40°C, cSt</b> | <b>Viscosity@<br/>100°C, cSt</b> | <b>Viscosity@<br/>100°F, cSt</b> | <b>Viscosity@<br/>210°F, cSt</b> | <b>Viscosity<br/>Index</b> | <b>Flash Point, °F</b> | <b>Fire Point, °F</b> | <b>Pour Point, °C</b> | <b>AGMA<sup>2</sup>#</b> | <b>Density@<br/>20°C, g/mL</b> | <b>Density @<br/>20°C lb/gal</b> | <b>SAE#</b> | <b>Base Oil</b> | <b>Additive<br/>Package</b> |
|-----------------------------------------------|------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------|------------------------|-----------------------|-----------------------|--------------------------|--------------------------------|----------------------------------|-------------|-----------------|-----------------------------|
| L-0115 Gear Oil-ISO 150                       | H-2 <sup>3</sup> | 149.4                           | 14.8                             | 169.3                            | 15.2                             | 100                        | 500                    | 530                   | -18                   | 4                        | 0.86                           | 7.16                             | 80-90       | MO              | R&O/AW                      |
| L-0115FG Gear Oil - ISO 150                   | H-1 <sup>4</sup> | 150                             | 15.4                             | 170.1                            | 15.9                             | 100                        | 500                    | 530                   | -18                   | 4                        | 0.86                           | 7.16                             | 80-90       | MO              | R&O/AW                      |
| L-0122 Gear Oil - ISO 220                     | H-2              | 223                             | 20.4                             | 265.6                            | 21                               | 101                        | 510                    | 550                   | -18                   | 5                        | 0.86                           | 7.16                             | 90          | MO              | R&O/AW                      |
| L-0122FG Gear Oil - ISO 220                   | H-1              | 219.1                           | 20                               | 249.7                            | 20.7                             | 101                        | 490                    | 510                   | -21                   | 5                        | 0.86                           | 7.16                             | 90          | MO              | R&O/AW                      |
| L-0132 Gear Oil - ISO 320                     | H-2              | 312                             | 31                               | 349.5                            | 31.6                             | 134                        | 460                    | 515                   | -18                   | 6                        | 0.87                           | 7.24                             | 90-140      | MO              | R&O/AW                      |
| L-0146 Gear Oil - ISO 460                     | H-2              | 456.6                           | 32.8                             | 507.5                            | 33.8                             | 107                        | 575                    | 620                   | -18                   | 7                        | 0.87                           | 7.24                             | 140         | MO              | R&O/AW                      |
| L-0146FG Gear Oil - ISO 460                   | H-1              | 441.1                           | 33.1                             | 507.5                            | 34.2                             | 107                        | 575                    | 620                   | -18                   | 7                        | 0.88                           | 7.32                             | 140         | MO              | R&O/AW                      |
| L-1115 Synthetic Gear Oil - ISO 150           | H-2              | 152                             | 18                               | 171                              | 18                               | 127                        | 525                    | 560                   | -48                   | 4                        | 0.87                           | 7.24                             | 80-90       | PAO             | R&O/AW                      |
| L-1115FG Synthetic Gear Oil - ISO 150         | H-1              | 149                             | 17.4                             | 167                              | 17.8                             | 129                        | 510                    | 560                   | -48                   | 4                        | 0.85                           | 7.07                             | 80-90       | PAO             | R&O/AW                      |
| L-1122 Synthetic Gear Oil - ISO 220           | H-2              | 222                             | 23                               | 251.8                            | 24                               | 127                        | 525                    | 550                   | -39                   | 5                        | 0.87                           | 7.24                             | 90          | PAO             | R&O/AW                      |
| L-1122FG Synthetic Gear Oil - ISO 220         | H-1              | 217                             | 24                               | 243                              | 24.7                             | 127                        | 500                    | 550                   | -39                   | 5                        | 0.85                           | 7.07                             | 90          | PAO             | R&O/AW                      |
| L-1132 Synthetic Gear Oil - ISO 320           | H-2              | 342.5                           | 30.8                             | 388.6                            | 31.8                             | 126                        | 540                    | 590                   | -39                   | 6                        | 0.85                           | 7.07                             | 90-140      | PAO             | R&O/AW                      |
| L-1132FG Synthetic Gear Oil - ISO 320         | H-1              | 332                             | 30.8                             | -                                | -                                | 129                        | 490                    | 530                   | -39                   | -                        | 0.85                           | -                                | -           | PAO             | R&O/AW                      |
| L-1146 Synthetic Gear Oil - ISO 460           | H-2              | 455.2                           | 45.1                             | 512.4                            | 46.5                             | 147                        | 545                    | 595                   | -36                   | 7                        | 0.852                          | 7.09                             | 140         | PAO             | R&O/AW                      |
| L-1146FG Synthetic Gear Oil - ISO 460         | H-1              | 460                             | 39.2                             | 517.3                            | 40.4                             | 152                        | 545                    | 595                   | -36                   | 7                        | 0.852                          | 7.09                             | 140         | PAO             | R&O/AW                      |
| L-0168 Gear Oil - ISO 680                     | H-2              | 659                             | 42                               | 764                              | 43                               | 105                        | 485                    | 555                   | -21                   | 8                        | 0.88                           | 7.32                             | 140         | MO              | R&O/AW                      |
| L-1168 Synthetic Gear Oil - ISO 680           | H-2              | 674                             | 48                               | 772.1                            | 51.2                             | 128                        | 505                    | 580                   | -27                   | 8                        | 0.85                           | 7.07                             | 140         | PAO             | R&O/AW                      |
|                                               |                  |                                 |                                  |                                  |                                  |                            |                        |                       |                       |                          |                                |                                  |             |                 |                             |
| <b>Chain Oils<sup>1</sup></b>                 |                  |                                 |                                  |                                  |                                  |                            |                        |                       |                       |                          |                                |                                  |             |                 |                             |
| L-0460FG Blend Chain Oil - (ISO 68)           | H-1              | 66                              | 8.3                              | 73.9                             | 8.6                              | 100                        | 465                    | 480                   | -12                   | -                        | 0.858                          | 7.14                             | 30          | MO              | R&O/AW                      |
| L-1468FG Synthetic Freezer Chain Oil (ISO 68) | H-1              | 65.8                            | 9.8                              | 72.8                             | 10                               | 131                        | 520                    | 565                   | -54                   | -                        | 0.83                           | 6.91                             | 30          | PAO             | R&O/AW                      |
| L-1428 High Temperature                       | H-2              | 285                             | 24                               | 327                              | 26                               | 110                        | 470                    | 572                   | -15                   | -                        | 0.94                           | 7.82                             |             | POE/PB          | R&O/AW                      |

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

<sup>2</sup>AGMA is an acronym for American Gear Manufacturers Association.

<sup>3</sup>The H-2 designation indicates the lubricated part cannot have contact with food.

<sup>4</sup>The H-1 designation indicates the lubricated part can have incidental food contact not to exceed 10 ppm.

## 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 our 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 our products will meet the 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.™*

**molykote.com**