



## DURALIFE® MOLY CHAIN LUBRICANTS

**DURALIFE® MOLY CHAIN LUBRICANTS** are manufactured from penetrating oils with molybdenum disulfide and special anti-wear and tackiness additives to provide long-lasting lubrication and optimum protection over a wide temperature range for lubricating efficiently and reducing the friction on the pins, rollers, bushings of the chain and drive sprocket under severe operating conditions. Molybdenum disulfide is twice as slippery as graphite and forms a bond with metal to be an excellent lubricant even if the oil is temporarily squeezed out under pressure. They help minimize wear, dripping and sling-off during Chain operation.

### APPLICATIONS :

**DURALIFE® MOLY CHAIN LUBRICANTS** are recommended for use in all chain drives to include : pin and bushing areas, open gears, sprockets, slides, hoists, conveyers, winches, cables, wire rope and sheaths in automotive, industrial, marine, farming, construction, and mining applications.

### BENEFITS :

- Contain Molybdenum disulfide.
- Lasting lubrication for difficult applications where normal lubrication is not effective.
- Excellent antirust, anti-wear, anti-corrosion, anti-foam properties.
- Formation of a protective layer that rejects abrasive particles such dirt, sand, and salt.
- Excellent adhesion to chain and sprocket.
- Help reduce heat and friction to extend chain and bar life and minimize energy consumption..
- Designed for high rates of wood-chip removal.
- Adhere to metal parts, resist centrifugal throw-off under heavy cutting and high speeds.

### TYPICAL CHARACTERISTICS :

| Test  | Method      | MoCL 22                 | MoCL 46                 | MoCL 100                | MoCL 150                | MoCL 220                |
|---|-------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ISO Viscosity Grade                             |             | 22                      | 46                      | 100                     | 150                     | 220                     |
| Specific Gravity @ 15.6°C (60°F)                | ASTM D1298  | 0.870                   | 0.875                   | 0.880                   | 0.890                   | 0.895                   |
| Viscosity @ 40°C, cSt                           | ASTM D445   | 22                      | 68                      | 100                     | 150                     | 220                     |
| Viscosity Index                                 | ASTM D 2270 | 100                     | 100                     | 102                     | 105                     | 110                     |
| Flash Point, °C (°F)                            | ASTM D92    | 180<br>(356)            | 200<br>(392)            | 215<br>(419)            | 220<br>(428)            | 233<br>(446)            |
| Pour Point, °C (°F)                             | ASTM D97    | -25<br>(-13)            | -20<br>(-4)             | -15<br>(5)              | -12<br>(10)             | -10<br>(14)             |
| Four-Ball EP Test, Weld Load,Kg                 | ASTM D2873  | 250                     | 250                     | 250                     | 250                     | 250                     |
| Four-Ball Coefficient of Friction<br>60 Kg Load | ASTM D 5183 | 0.088                   | 0.088                   | 0.088                   | 0.088                   | 0.088                   |
| Timken EP Test, OK Load, lb.                    | ASTM D 2782 | 25                      | 25                      | 25                      | 25                      | 25                      |
| Rust test Procedure B                           | ASTM D 665) | Pass                    | Pass                    | Pass                    | Pass                    | Pass                    |
| Copper Strip Corrosion Test                     | ASTM D 130  | 1B                      | 1B                      | 1B                      | 1B                      | 1B                      |
| Color   |             | Dark Gray               |
| Texture/Presence of Tackifier                   |             | Pass<br>(Tacky/Stringy) | Pass<br>(Tacky/Stringy) | Pass<br>(Tacky/Stringy) | Pass<br>(Tacky/Stringy) | Pass<br>(Tacky/Stringy) |

*The above characteristics are average values based on recent production .Minor variations which do not affect product performance are to be expected in normal manufacture .*

### WARNING :

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children. Don't pollute. Conserve resources. Return used oil and bottle to collection centers

Reference MSDS No 12131 database on our website at [www.amtecol.com](http://www.amtecol.com)