



Product Data

Molub-Alloy Chain Oil 22

A Multi-Service Chain Lubricant

Description

Molub-Alloy Chain Oil 22 is a multi-service chain lubricant designed for use in a variety of plant-wide general applications. **Molub-Alloy Chain Oil 22** is recommended for use in any application where a light viscosity petroleum-type lubricant is required.

Molub-Alloy Chain Oil 22 is part of Tribol's Eco-Solutions™ product offering. Formulated to address environmental concerns, it is free of lead, chlorinated solvents, barium and antimony. It contains less than 2 ppm of phenol.

Molub-Alloy Chain Oil 22 is an ISO viscosity grade 22.

Molub-Alloy Chain Oil 22 is manufactured from the highest quality components, carefully selected for their compatibility with Molub-Alloy lubricating solids and their recommended applications.

Lubricating solids of suitable grade are treated to increase their natural positive affinity to metal surfaces and are completely dispersed to assure effectiveness during the lubricant's full working life.

This oil is additionally compounded to inhibit oxidation and to protect against rust and corrosion.

Anti-wear properties are derived from Molub-Alloy's formulation which is non-corrosive to all ferrous and nonferrous metals.

Applications

Molub-Alloy Chain Oil 22 is for service on chains and conveyor elements moving at moderate to high speeds. It is very effective at softening and removing carbonaceous deposits from previous lubricants where chains cannot be cleaned before changeover. **Molub-Alloy Chain Oil 22** is an excellent lubricant for wire rope, especially with sisal or polypropylene core. It is highly inhibited against rust and corrosion to protect the rope from within.

Apply **Molub-Alloy Chain Oil 22** by brush, drip, spray, mist, automatic dispensing equipment, and central oiling or circulation systems.

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Advantages

Reduced friction, most evident under boundary conditions, is directly attributed to the presence of specially compounded lubricating solids. This benefit is most pronounced where frequent start-up, slow speeds, and high or shock loads are encountered.

Substantial increase in the working life of both parts and lubricant is provided by the establishment of a protective layer of Molub-Alloy solids. This increases load-bearing areas, which can reduce unit pressure and wear.

The semi-dry lubrication property of **Molub-Alloy Chain Oil 22** provides a very light film, resulting in the chain or wire rope having the appearance of being "dry" yet it is positively lubricated. This ensures minimum pick-up of abrasive dusts, lint, sand, and other particles, thus eliminating the problem of such foreign matter being retained to form an abrasive compound, which can shorten chain life.

Overall savings are derived from the above and result from less labour and downtime, smoother, more efficient operation with longer parts life: ropes, chains, sprockets, sheaves, liners, and skids plus extended lubrication cycles.

Typical Properties

Molub-Alloy Chain Oil 22

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|---|-----------------|
| ▪ ISO Viscosity Grade, ASTM D 2422 | 22 |
| ▪ Specific Gravity, ASTM D 1298 @ 15.6°C | 0.9065 |
| ▪ Viscosity, ASTM D 445 | |
| @ 40°C, cSt | 22 |
| @ 100°C, cSt | 3.9 |
| ▪ Flash Point, ASTM D 92, COC, °C | 171 |
| ▪ Fire Point, ASTM D 92, COC, °C | 185 |
| ▪ Pour Point, ASTM D 97, °C | -43 |
| ▪ Rust Test, ASTM D 665 | |
| Procedure A (Distilled Water) | Pass |
| Procedure B (Synthetic Sea Water) | Pass |
| ▪ Conradson Carbon Residue, ASTM D 189 | |
| Base Oil, wt % | 0.02 |
| ▪ Four Ball Wear Test, ASTM D 4172 | |
| Scar Diameter, mm | 0.50 |
| ▪ Falex Wear Text, ASTM D 2670, wear teeth | 10 |
| ▪ Phenol Content/4 Amino Antipyrine Method, ppm | <2 |
| ▪ Molub-Alloy Solids Grade Classification | Fluid Lubricant |

Subject to Usual Manufacturing Tolerances.

Health, Safety and Environment

In line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed.

Spillage: Slippery when spilt. Avoid accidents, clean up immediately.

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial Australia Inc. products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

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Molub-Alloy Chain Oil 22

Page 3 of 3