



## Molub-Alloy™ CH 22

Chain Oil

### Description

Castrol Molub-Alloy™ CH 22 chain oil (previously called Castrol Molub-Alloy™ Chain Oil 22) is a multi-service chain lubricant designed for use in a variety of plant-wide chain applications. This lubricant is manufactured from a combination of the highest quality components including, antiwear/ extreme pressure additive system with advanced Molub-Alloy lubricating solids. Also compounded to inhibit oxidation and to protect against rust and corrosion.

### Application

Molub-Alloy CH 22 is an excellent lubricant for wire ropes, especially those with a sisal or polypropylene core. It is highly inhibited to protect against rust and corrosion to protect the rope from within.

Molub-Alloy CH 22 is used on conveyors and chains operating at temperatures up to 90°C. It can be used intermittently at higher temperatures up to 150°C but more frequent relubrication may be required.

Molub-Alloy CH 22 can be applied by brush, drip, spray, mist, automatic dispensing equipment, central oiling or circulation systems.

### Advantages

- Resists accumulation of contamination and abrasive matter: The semi-dry lubrication attribute of Molub-Alloy CH 22 provides a very light film, giving the appearance of a dry film. This ensures minimum pickup of abrasive dusts, lint, sand, and other particles, thus eliminating formation of abrasive compounds which can increase wear and shorten chain life.
- Excellent EP and anti-wear protection under boundary conditions: The compounded Molub-Alloy solids package provides superior protection during frequent start-up, slow speeds, and when high and/or shock loads are encountered.
- Superior friction reduction: Capable of reducing energy consumption at peak power demand during cold start-up.
- Overall savings: Savings can result from less labour and downtime, smoother, more efficient operation with longer parts life, and extended lubrication cycles.

## Typical Characteristics

Name	Method	Units	CH 22
ISO Viscosity Grade	-	-	22
Density @ 15°C	ASTM D4052/ ISO 12185	kg/m <sup>3</sup>	891
Kinematic Viscosity @ 20°C	ASTM D445/ ISO 3104	mm <sup>2</sup> /s	59
Kinematic Viscosity @ 40°C	ASTM D445/ ISO 3104	mm <sup>2</sup> /s	22
Kinematic Viscosity @ 100°C	ASTM D445/ ISO 3104	mm <sup>2</sup> /s	3.9
Flash Point - open cup method	ASTM D92/ ISO 2592	°C	170
Pour Point	ASTM D97/ ISO 3016	°C	-45
Rust test - distilled water (24 hrs)	ASTM D655A/ ISO 7120	-	Pass
Rust test - synthetic seawater (24 hrs)	ASTM D655B/ ISO 7120	-	Pass
Carbon residue - Conradson test	ASTM D189/ ISO 6615	% wt	0.02
Four Ball Wear test - Wear Scar Diameter (40 kgf / 75°C / 1200 rpm / 1 hr)	ASTM D2266	mm	0.5
Four Ball Wear test - Wear Scar Diameter (300N / 1 hr)	DIN 51350-3B	mm	0.4

Subject to usual manufacturing tolerances.

## Additional Information

Care should be taken when filters are used with Molub-Alloy CH 22. Certain types such as ceramic filters and diatomaceous earth filter should not be used.

Other type filters need only their recommended inspection and service.

**This product was previously called Molub-Alloy Chain Oil 22. The name was changed in 2015.**

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