Product Data Sheet

# Molub-Alloy™OG 968 SF Heavy

Multiservice Lubricant

## Description

Castrol Molub-Alloy™OG 968 SF Heavy (previously called Castrol Molub-Alloy™ 968 SF Heavy ) is a heavy duty, non solvent containing multiservice lubricant designed for use an heavy duty applications. It is formulated to withstand the most severe environments, which may include extreme heat and dust in the summer, as well as in inclement weather, in rain, snow, sleet in winter. Molub-Alloy OG 968 SF Heavy performs also extremely wellin underwater applications, with condensation, as well as seawater. Formulated to address environmental concerns, Molub-Alloy OG 968 SF Heavy is free of lead, antimony, zinc, barium and chlorinated solvents. No solvents of any kind are used in Molub-Alloy OG 968 SF Heavy Multiservice Lubricants.

A highly refined, viscous, paraffinic petroleum derivative is the foundation of a blended base fluid with excellent natural chemical and thermal stability. Molub-Alloy OG 968 SF Heavy is compounded to flow readily in the filmforming process; yet it resists "squeeze-out" and clings tenaciously even to gear teeth in vertical orientation.

A proprietary blend of Molub-Alloy™ lubricating solids is included to promote antiwear and load carrying properties beyond those of conventional lubricants. The select lubricating solids work synergistically with chemical antiwear and extreme pressure (EP) additives, to reduce contact temperatures, while providing excellent antiweld protection under extreme pressure and shock loading.

Rust and oxidation inhibitors are included in the formulation to protect the equipment and lubricating film against the elements in severe climates. The select grade and size distribution of the lubricating solids are intended to provide Molub-Alloy OG 968 SF Heavy with multiservice characteristics for applications ranging from heavy duty open gears, to antifriction and Journal bearings.

## Application

Molub-Alloy OG 968 SF Heavy is designed to perform as a multiservice lubricant an applications such as: - Open Gearing - Racks and Pinions -Rails and Rollers - Sluice door hinges - Seawater gate spindles - Screw conveyor bearings - Salt dredging applications - Shipyard applications - Large Journal and Antifriction Bearings - Low Velocity Semi-Enclosed Gears - Offshore applications (e.g. christmas trees, drill heads) - Jacks (Drills).
Molub-Alloy OG 968 SF Heavy may be applied manually or more precisely and economically through automatic dispensing equipment.

## Advantages

- Compounded for the protection of the ecology the elimination of hazardous materials.
- Tough Durable Film - resists erosion from rain and sleet, resists peeling in dusty environments.
- Resists Packing from Dust - even in dusty environments Castrol Molub-Alloy OG 968 SF Heavy resists packing at the gear roots and remains mobile. The spent lubricant stays pliable to facilitate removal from gear guards and semi- enclosed gear cases.
- Multiservice - used in a variety of outdoor applications. Reduces product inventory and minimizes risk of product contamination or misapplication

## Typical Characteristics

| Name | Method | Units | Molub-Alloy OG 968 SF Heavy |
|---|---|---|---|
| Penetration grease @ 25C, 60cycles | DIN-ISO 2137 12.81 | 1/10 mm | - |
| Water Resistance (Greases) 3h 90°C | DIN 51807 | Assessment Stage | - |
| Flow Pressure | CIP 1 | hPa | @-10 °C |

Subject to usual manufacturing tolerances.

## Additional Information

Castrol Molub-Alloy OG 968 SF Heavy is not intended for use in the following

- Applications:"U"-Joints of off-highway vehicles.
- As a general industrial bearing grease operating continuously at elevated speeds i.e., motor bearings.

## Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing condition

**This product was previously called Molub-Alloy 968 SF Heavy. The name was changed in 2015.**




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