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E Oil Supplement

Automatic Transmission Supplement

Manual Transmission Supplement

Copaslip Anti-Seize Compound

Multi-Purpose Grease

Liquid Grease

Combat Penetrating Oil

Tuneslip

Chain Lube

HTBG High Temperature Bearing Grease

Open Gear Spray

Open Gear Lube

Air Drying Film (ADF)

Metal Working Spray

AS/40 Assembly Compound

AS/65 Assembly Compound

Break-In

Moly Powder



# Product Data Sheet

## E Oil Supplement

### Wear Reducing Oil Supplement with Molybdenum Disulfide for all engine types

#### Performance

Molslip "E" wear reducing lubricating oil supplement with colloidal suspension of 0.5 micron particles of molybdenum disulfide has been engineered and produced to provide:

- Reduced friction between moving metal-to-metal surfaces
- Reduced wear of piston rings, cylinders walls, valves and bearings
- Lowered working temperature of the oil through reduced friction
- Protection from lubricant starvation
- Protection from corrosion
- Increased reliability and reduced maintenance, overhauls and replacement costs

*Independent tests show an average reduction in wear rate of more than 25%. Independent fuel consumption tests show an improvement of 8-14%. This means increased efficiency and consequent reduction in operating costs.*

#### The Action of Molslip E Oil Supplement

Molslip E is a colloidal suspension of molybdenum disulfide, with complimentary additives, in a high-quality refined mineral lubricating oil.

The structure of a molecule of molybdenum disulfide ( $\text{MoS}_2$ ) can be compared to a sandwich— sulphur for the covering and molybdenum for the filling. Sulphur atoms have a strong affinity for metal, and the molecules of  $\text{MoS}_2$  become bonded onto the working metal surfaces. Because the sulphur to sulphur bond is weak, the minute particles of  $\text{MoS}_2$  glide over each other freely, giving an extremely low coefficient of friction.

#### Modern Lubricating Oils

The task of lubricating oil is to reduce friction between bearing metal surfaces, and to dissipate the heat generated by friction. Modern lubricating oils perform their tasks efficiently, but it is impossible for the lubricating oil film to be present at all times. Under conditions of extreme heat and pressure, the film can break down, and on engine start up there is inevitably a delay before oil (including synthetic lubricants) is circulated to all components.

#### Constant Lubrication Is Vital

Molslip E, apart from colour, makes no significant alteration to the characteristics of the oil to which it is added. The  $\text{MoS}_2$  film formed cannot drain off bearing surfaces and is unaffected by extremes of temperature. Molslip E blends well with all types of oils, including mineral, synthetic, semi-synthetic, and hydraulic oils. With a small particle size of 0.5 microns, (about the size of a cold germ), Molslip E will pass through oil filters without risk of clogging.

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**Applications**

For gasoline engines in cars or trucks, 5% - 10% Molyslip E should be added to the engine oil at every oil change. In diesel engines, because of the comparatively larger oil sump capacity, add a minimum of 3%.

For stationary engines (compressors, welding equipment, generators, etc.) and plant (bulldozer, graders, cranes, etc.), the above treatment should be repeated every 150 - 200 hours of run time.

In drip-feed lubricating systems, Molyslip E should be added to the reservoir at 5% minimum.

In hydraulic equipment (injection moulding machines, pipe benders, cut-off saws, surface grinders, etc.), all circulatory lubricating systems (printing machines, calenders, machine tools, for example), Molyslip E should be added to the reservoir at 5% minimum.

For line lubricators with air operated tools and equipment, a minimum of 5% Molyslip E should be added to the oil.

For 2-cycle engines, add 5% Molyslip E to the oil reservoir or 5% of the oil component of gas/oil mixture.

DO NOT use in wet clutch systems where the engine and transmission share the same oil. These systems are found only in some motorcycles and ATV's.

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**Specifications**

Specific gravity at 16°C (60° F) .....	0.900
Closed flashpoint .....	191°C (375°F)
Redwood Viscosity at 21°C (70° F) .....	313 seconds
Redwood Viscosity at 60°C (140° F) .....	67 seconds
Pour point (cold test) .....	-34°C (-30° F)
MoS2 particle size .....	0.5 micron (average)

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**Packaging**

Molyslip E Oil Supplement is available in:

Product No.	Packaging	Case Size
3412 .....	300 mL (10 U.S. fl. oz.) can .....	Case of 12
3415 .....	1 L (1 U.S. qt.) bottle .....	Case of 12
3416 .....	4 L (1 U.S. gal.) can .....	Case of 4
3417 .....	23 L (6 U.S. gal.) pail	
3419 .....	205 L (54 U.S. gal.) drum	

(See Material Safety Data Sheet for proper first aid instructions.)