

2001G

PERFORMANCE:

Reduces friction between moving metal to metal surfaces.

Reduces wear on gears and transmission systems.

Lowers the working temperature of the oil.

Protects against lubricant starvation.

Protects against corrosion.

Increases reliability, reduces maintenance, overhauls and expenditure on replacements.

Independent tests show an average reduction in wear rate of more than 25%.

This means INCREASED EFFICIENCY and consequent REDUCTION in COSTS.

The action of MOLYSLIP

MOLYSLIP 2001G is a colloidal suspension of molybdenum disulphide with complementary additives, in a high quality mineral lubricating oil. The structure of a molecule of molybdenum disulphide (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 MoS_2 become bonded onto the working metal surfaces. Because the sulphur to sulphur bond is weak the minute particles of MoS_2 glide over each other freely, giving an extremely low coefficient of friction.

Modern lubricating oils

The task of a 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 starting there is inevitably a delay before oil is circulated to all components.

Constant lubrication is vital

MOLYSLIP 2001G makes no significant alteration to the characteristics of the oil to which it is added. The MoS_2 film formed cannot drain off bearing surfaces and is unaffected by extremes of temperature.

Applications

Gear boxes, steering-boxes and differentials, in all transport.

Gear-boxes and final drives of earth moving equipment, machine tools, lifting equipment and reduction gear-boxes.

It can be used as an additive to cutting oils for improved surface finish and tool life.

In marine and industrial turbine transmission drives and main turbine bearings.

On ships for closed deck equipment, gears and mechanisms; steering gears and propeller shaft bearings. **MOLYSLIP 2001G** should be added to gear and transmission oils in a minimum proportion of 5% (50cc per litre) at every oil change (every 10,000 miles/16,000 kilometres for road vehicles).

MOLYSLIP 2001G

Reservoir

In drip feeding lubricating systems **MOLYSLIP 2001G** should be added to the reservoir, 5% by volume minimum.

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|--------------------------------|----------------------|
| Density @ 15 oC | 0.920 |
| Kinematic Viscosity @ 40 oC | 160 |
| SAE Grade - Gear Oil | SAE 90 |
| AGMA Grade | 5 |
| Flash Point (PMCC) | 230 oC |
| Pour Point | -9 oC |
| MoS ₂ particle size | 0.5 micron (average) |

The addition of Moly slip 2001G at the recommended proportions makes no significant alteration to the characteristics of the oil to which it is added.

PACKAGING:

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| 250 ml | flasks |
| 5 litre | cans |
| 25 litre | drums |