2001E

PERFORMANCE:
Reduces friction between moving metal to metal surfaces.
Reduces wear of piston rings, cylinders, valves and bearings.
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 averaged reduction in wear rate of more than 25%.
This means INCREASED EFFICIENCY and consequent REDUCTION in COSTS.

The action of Molyslip
MOLYSLIP 2001E 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 (MoS2) 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 MoS2 become bonded onto the working metal surfaces. Because the sulphur to sulphur bond is weak the minute particles of MoS2 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 2001E makes no significant alteration to the characteristics of the oil to which it is added. The MoS2 film formed cannot drain off bearing surfaces and is unaffected by extremes of temperature.

Applications
For petrol engines 5% by volume **MOLYSLIP 2001E** should be added to the sump oil every 6,000 miles (i.e. 50ml per litre of oil).
In diesel engines, because of their comparatively larger sump capacities, add minimum 3% by volume.
For stationary engines (i.e. on compressors, welding equipment, generators etc), and plant bulldozers, graders, cranes, etc), the above treatment should be repeated every 150-200 hours running.
For circulatory lubricating systems as in printing machines, calenders and machine tools, a minimum of 5% by volume **MOLYSLIP 2001E** should be added to the oil.

Reservoir

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

TECHNICAL DATA:

Specific gravity at 16 oC	.900
Closed flashpoint	204 oC
Redwood Viscosity at 21 oC	313 seconds
Redwood Viscosity at 60 oC	67 seconds
Pour point (cold test)	-34 oC
MoS_2 particle size	0.5 micron (average)

PACKAGING:

250 ml	flasks
5 litre	cans
25 litre	drums