

## “E” ENGINE OIL SUPPLEMENT

A wear-reducing oil-based supplement for internal combustion engines. It reduces wear of piston rings, cylinders, valves and bearings. A stable dispersion that will not settle out and cause blockages.

### APPLICATIONS

**Spanjaard “E”** is a lubricant containing microscopic particles of Molybdenum Disulphide. These tiny particles are contained in a permanent colloidal suspension that do not settle out and block vital oil ways and filters. The Molybdenum Disulphide particles plate themselves onto the metal surfaces. When the oil film is squeezed out under load, the Molybdenum Disulphide takes over the lubrication, dramatically reducing friction and associated wear caused by metal-to-metal contact.

Engine 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. When an engine is started, there is a delay before oil is circulated to all components. Under these "boundary conditions" the "plated Molybdenum Disulphide reduces friction giving lower oil temperatures.

**Spanjaard “E”** increases engine reliability, reduces - maintenance, overhauls and expenditure on replacements.

**Spanjaard “E”** makes no significant alteration to the characteristics of the oil to which it is added. The MoS<sub>2</sub> film formed cannot drain off bearing surfaces and is unaffected by extremes in temperature.

### APPLICATION INSTRUCTIONS

#### Petrol Engines:

Passenger Cars - add 250ml to engine oil.  
Transport Vehicles - add 5% to engine oil.

#### Diesel Engines:

Add a minimum of 3% of **Spanjaard “E”** to engine oil. For stationary (i.e. on compressors, welding equipment, generators etc) and plant (i.e. bulldozers, graders, cranes etc) the above treatment should be repeated every 150 - 200 running hours.

### Circulating and Drip Feed Lubrication:

In systems such as printing machines, calendars and machine tools, a minimum of 5% of **Spanjaard “E”** should be added to the oil or reservoir.

### TYPICAL PROPERTIES

SAE	30
Density, g/ml	1,88
Flash Point, COC, °C	204
Viscosity, cSt @ 40°C	104
cSt @ 100°C	1,3
Pour Point, °C	-9
MoS <sub>2</sub> Av. particle size, Fischer μ	1,45
MoS <sub>2</sub> Friction Modifiers, dispersants	Yes

### HANDLING AND STORAGE

CAUTION: Keep out of reach of children.

### PACKAGING

250ml bottle.  
250ml tin.  
5 litre.  
20 litre.



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Certified as an  
ISO 9001 Manufacturer  
by the SABS

Manufacturers & Distributors of  
Special Lubricants & Allied Chemical  
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