



## D-MAX GO30-68

### Graphite in oil dispersion

#### **Description**

D-MAX GO30-68 is a dispersion of colloidal, synthetic graphite in refined mineral oil. Compared to other Matrix dispersions, the graphite is suspended in a lower viscosity oil to improve flow and pumping properties.

#### **Applications**

- Forging lubricants
- Hot pressing
- Hot brass stamping
- Light alloy press forging
- Die lubricants
- Aerosol concentrate
- Oil additive
- High temperature bearing lubrication
- High temperature conveyor chains
- Kiln car bearings
- Tyres of rotary kilns
- Assembly lubrication
- Extrusion lubricant for dies and tools

- Die face lubrication and release of ejectors, core slides and plungers
- Lubrication of core slides and pins in gravity die casting
- Mould and neck ring lubrication for glass container manufacture

#### **Benefits**

- High covering power
- Maximum adhesion
- Excellent suspension properties
- Superb release properties
- Increases load carrying capacity of oils
- Reduces wear
- Stable at high temperatures
- Prevents scoring or seizure
- Provides thin smooth coatings of graphite on hot surfaces
- High temperature parting and release action
- Effective lubricant for all metal surfaces



### Typical performance data

Appearance	Black fluid
Synthetic graphite	>98% purity
Specific gravity @ 20 °C, kg/m <sup>3</sup>	1,08
Solid content, %	~30
Particle size, μm	>95% <1
Shelf life, months	>6
Diluent	Oil and organic solvents

### Dilution

D-MAX GO30-68 is supplied as a concentrate and may be diluted prior to use.

### Stirring/Mixing/Dilution

D-MAX GO30-68 will blend with most commercially available oils or greases. D-MAX GO30-68 is compatible with most oil additive treatments. When blending the oil should be pre-heated to about 50 °C. Stir D-MAX GO30-68 thoroughly to achieve a uniform consistency, then premix equal parts of the D-MAX GO30-68 and the oil before blending with the balance of the oil. Maintain continuous agitation by mechanical stirring throughout the blending operation. We recommend using D-MAX GO20 at a minimum of 1% solids by weight in the finished oil.