D-MAX GO

D-MAX GO is a dispersion of colloidal, synthetic graphite in refined mineral oil

Description
A dispersion of colloidal graphite dispersed in SN 500 base oil.

Advantages
- 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

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
- Tires 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

Typical performance data

	GO10	GO17	GO20	GO40
Appearance	Black fluid			
Synthetic graphite	>98% purity			
Specific gravity @ 20 °C, kg/m3	1,045	1,049	1,050	1,050
Flash point, °C	>200	>200	>200	>200
Solid content, %	~10	~17	~20	~40
Particle size	>95% below 1 micron			
Shelf life, months	>6			
Diluent	Oil and organic solvents			

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

Stirring/Mixing/Dilution
D-MAX GO will blend with most commercially available oils or greases.
D-MAX GO is compatible with most oil additive treatments. When blending the oil should be pre-heated to about 50 °C. Stir D-MAX GO thoroughly to achieve a uniform consistency, then premix equal parts of the D-MAX GO 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 GO at a minimum of 1% solids by weight in the finished oil.