DESCRIPTION

BONDERITE L-GP OILDAG (known as OILDAG) is a highly stable, wear and friction reducing dispersion of ultrafine graphite particles in a petroleum oil. This material is specifically formulated for applications which approach boundary lubrication conditions. Consistent use of BONDERITE L-GP OILDAG produces durable mirror-like “graphitized” surfaces on mating parts. This graphite film lubricates effectively up to 900°F (482°C). The solid lubricating film also helps prevent metal-to-metal contact, greatly facilitating disassembly in many applications.

Specific advantages offered by BONDERITE L-GP OILDAG include:

• Excellent adhesion to metal substrates
• Eliminates galling, seizing, stick-slip and press-fit distortion
• Reduces break-in time for new equipment
• Prevents fretting
• Prevents against corrosion
• Lubricates effectively up to 900°F (482°C)
• Extends lubrication service intervals
• Reduces maintenance costs through more effective lubrication
• Facilitates disassembly

BONDERITE L-GP OILDAG is used extensively as an additive to industrial oils to improve anti-wear, extreme pressure, and high temperature capabilities.

FEATURES/BENEFITS

- Stable colloidal suspension of graphite
- Minimal mixing costs for blending into your finished lubricant
- Fine particle size distribution
- Provides cost-effective usage in finished lubricant to provide superior lubrication performance, consumer confidence and repeat sales
- Extreme pressure, lubricating, low friction graphite particles
- Superior lubrication and wear resistance extends equipment life, reduces maintenance costs and lubricant intervals

TYPICAL APPLICATIONS

- Penetrating fluid additive
- Glass molding compounds
- Extrusion compounds
- Assembly and break-in lubrication
- Forging compounds
- Chain and conveyor lubrication
- Die casting compounds (as supplied)

Lubricating solid: processed micrographite
BONDERITE L-GP OILDAG
GRAPITE DISPERSION IN OIL
(KNOWN AS OILDAG)

Carrier:    hydrotreated napthenic petroleum oil
Solids content:   10% graphite
Particle size:   median 1-2 microns by volume
Density:   0.982 kg/l (8.2 lb/gal) @ 25°C (77°F)
Flashpoint:   177°C (350°F)
Color:     Black

METHOD OF USE

Dilution and Mixing
BONDERITE L-GP OILDAG can be blended with most commercially available oils and naphtha’s. For uniform results, heat
the oil and/or the BONDERITE L-GP OILDAG to approximately 150°F (65°C), since blending is most efficient when
viscosities are low. Higher temperatures may cause instability.

Mix BONDERITE L-GP OILDAG thoroughly to ensure uniform consistency before blending. A premix of equal parts
BONDERITE L-GP OILDAG and diluent should be thoroughly mixed before adding the balance of the diluent. Continuous
agitation is desirable throughout the blending operation. Application BONDERITE L-GP OILDAG and BONDERITE L-GP
OILDAG blends are easily applied by conventional spray, dip, brush, and drip methods.

STORAGE/HANDLING

Keep container closed when not in use to avoid contamination. See Henkel Material Safety Data Sheet for proper first aid
instructions. Shelf life is 12 months from date of qualification under original seal.

APPLICATION ASSISTANCE

Henkel’s Application Specialists are available to assist you in production start-up with BONDERITE L-GP OILDAG. Visit
our website www.henkelna.com/metals for more information and for the Acheson global location nearest you.