BG Products, Inc.

Product Specification and Technical Data

PRODUCT: **BG Heavy Duty Concentrate for Industry**

PART NO.: **350**

TEST DATA:

Test	ASTM Test Method	Typical Test Results
API Gravity @ 15.6°C (60°F)	D 287	25.8
Specific Gravity @ 15.6°C (60°F)	D 1298	0.8896
Density, U.S. lbs./gal. (kg/L) @ 15.6°C (60°F)	D 1250	7.5
Flash Point, COC	D 92	215°C (419°F)
Viscosity, cSt @ 100°C (212°F)	D 445	6.07
Viscosity, cSt @ 40°C (104°F)	D 445	37.6
Viscosity Index	D 2270	106
Pour Point	D 97	–37°C (–35°F)
Color	D 1500	L3.0
Color	Visual	Amber

DESCRIPTION: BG Heavy Duty Concentrate For Industry may be used to enhance the properties of lubricants used in a variety of applications and over a wide range of operating conditions. It is an oil soluble, thermally stable compound for addition to industrial lubricants which improves speed and production, reduces power consumption, reduces bearing temperatures and wear, provides boundary lubrication and reduces downtime. It smoothes and seals metal surfaces and will not cause buildup or change tolerances. Excellent for use in hydraulic systems. The combination of thermal stability, hydrolytic stability, extreme pressure and anti-wear characteristics provide added protection for in-plant and mobile equipment. Seal conditioners are included to guard against leaking. It provides superior performance results in equipment operating in high temperature, high humidity environments such as:

Air Compressors: When added to conventional lubricants, BG Heavy Duty Concentrate For Industry offers significant advantages. Decomposition products from lubricants tend to build-up on compressor components. Detergents in BG Heavy Duty Concentrate For Industry prevent rust, reduce oxidation and keep by-product deposits from accumulating on bearing surfaces, sleeves and screw mechanisms.

Paper Machines: Added to paper machine lubricants, BG Heavy Duty Concentrate for Industry will provide excellent wear protection for hot running bearings under conditions typically found in paper mills. Additionally, it provides excellent filterability, inhibits sludge formation, and will carry water back to the reservoir where it can be separated from the lubricant.

General Lubrication: Because of its great range of lubricant characteristics, BG Heavy Duty Concentrate For Industry gives outstanding performance in bearings in large vane, gear and centrifugal pumps, reactor stirrer motors, rotary vane compressors and many types of heavy duty rotating machinery. In Hydraulic Systems and Farm Tractor Common Sump Systems: Enhances the performance characteristics of hydraulic fluids.

Resistance to Thermal Degradation: Minimizes the generation of sludge from reactions with steel, copper and bronze components at high operating temperatures. The result is cooler operating temperatures.

Hydrolytic Stability: Prevents acid formation caused by moisture contact with lubricant and protects metal surfaces from rust and corrosion.

Enhanced Filterability: Minimizes filter blocking caused by contamination of the fluid with water.

Reduced Foam: Will ensure smooth, efficient operation of hydraulic systems; aids proper lubrication of components.

Longer Pump Life: Extreme pressure and anti-wear additives give added protection to moving parts. Fluid films will remain stable under heavy pressures and at elevated temperatures where most fluid films will break down.

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USAGE: Add to new, uncontaminated lubricants at a ratio of one gallon (4 Liters) per 20 gallons (76 Liters) of lubricant or 5% by volume of equipment sump capacity. Do not use with water-based or synthetics such as polyglycols, phosphate esters or silicones.

Stationary gasoline or diesel engines: Add 3 ounces (88 mL) to 5 quarts (4.73 L) of oil every 100 hours. **Mechanical drive units:** 1 ounce (30 mL) to 1 pound (0.45 kg) or pint (473 mL) of lubricant. **Grease fittings:** 1 ounce (30 mL) to 1 pound (0.45 kg) or pint (473 mL) of lubricant. **Bearings:** Oil lubricated, add 3 ounces (88 mL) to 5 quarts (4.73 L) of oil; Grease lubricated, add 1 ounce (30 mL) to 1 pound (0.45 kg) of grease. **Air compressor:** 3 ounces (88 mL) to 5 quarts (4.73 L) of oil in crankcase every 300 hours, 2.5 ounces (74 mL) to 1 gallon (3.78 L) of oil in upper oiler. **Wire cable:** 1 ounce (30 mL) to 10 ounces (296 mL) of oil sprayed on, 1 ounce (30 mL) to 5 ounces (148 mL) of oil when dipped. **Air tools:** 2.5 ounces (74 mL) to 1 gallon (3.78 L) of oil. **General purpose:** Use 5% by volume treat ratio.

BG Products, Inc. accepts no liability for excessive use or misuse of this product.