



# Product Specification and Technical Data

**PRODUCT: BG HP Industrial Hydraulic Fluid**

**PART NO.: 335**

TEST DATA:	Test	ASTM Test Method	Typical Test Results
	ISO Viscosity Grade . . . . .		46
	API Gravity @ 15.6°C (60°F) . . . . .	D 287 . . . . .	31.4
	Specific Gravity @ 15.6°C (60°F). . . . .	D 1298 . . . . .	0.8685
	Density,		
	U.S. lbs./gal. (kg/L) @ 15.6°C (60°F) . . . . .	D 1250 . . . . .	7.241
	Flash Point, COC . . . . .	D 92 . . . . .	226°C (439°F)
	Viscosity @ 100°C (212°F) . . . . .	D 445. . . . .	6.55
	Viscosity @ 40°C (104°F) . . . . .	D 445. . . . .	43.26
	Viscosity Index . . . . .	D 2270 . . . . .	.102
	Viscosity, cP @ -26°C (-15°F) . . . . .	D 2983 . . . . .	7983
	Pour Point . . . . .	D 97 . . . . .	-37°C (-35°F)
	Color . . . . .	D 1500 . . . . .	L1.0
	Color . . . . .	Visual. . . . .	Light Yellow

**PROBLEM:** To achieve stable fluid temperature, a hydraulic system's capacity to dissipate heat must be maintained. Regular fluid temperatures above 180°F (82°C) can damage most seal compounds and accelerate degradation of the oil. Viscosity and oil shearing further degrade the oil's ability to protect the system. Fluid discoloration is further evidence of oil deterioration, and could indicate excessive thermal stress and oil foaming.

**SOLUTION:** BG HP Industrial Hydraulic Fluid is designed to function in the most severe applications. It offers the ultimate in high-temperature lubricant protection. Its ashless characteristics allow it to simultaneously resist degradation while preventing deposit formation. BG High Performance Industrial Hydraulic Fluid withstands mechanical and thermal stress, prevents fluid foaming and acidic corrosion, maintains seal integrity and protects metals against abrasive wear.

**BENEFITS:** Longer fluid life, reduced repairs, and better equipment protection is what you can expect when using BG HP Industrial Hydraulic Fluid.

- SPECIFICATIONS:**
- DIN 51524, part 2 and 3 (HLP, HVLP)
  - AFNOR NF E 48 603 (HM, HV)
  - SIS SS 155434
  - VDMA 24318
  - Hoesch HWN 2333
  - Thyssen THN-256132
  - CETOP RP 91 H (HM, HV)
  - U.S. Steel 126
  - U.S. Steel 127
  - U.S. Steel 136
  - Sperry Vickers M-2950-S
  - Sperry Vickers I-286-S
  - Denison Filterability TP 02100
  - DIN 51506 (VBL, VCL, VDL)
  - ISO/DP 6521 (DAA, DAB, DAH, DAG)

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