



Product Specification and Technical Data

PRODUCT: BG Premium Synthetic Hydraulic Fluid
Multigrade Formula

PART NO.: 334H

TEST DATA:	Test	ASTM Test Method	Typical Test Results
	API Gravity @ 15.6°C (60°F)	D 287	34.6
	Specific Gravity @ 15.6°C (60°F)	D 1298	0.8520
	Density,		
	U.S. lbs./gal. @ 15.6°C (60°F)	D 1250	7.103
	Flash Point, COC	D 92	214°C (417°F)
	Solubility in Water	Visual	Insoluble
	Viscosity, cSt @ 100°C (212°F)	D 445	10.01
	Viscosity, cSt @ 40°C (104°F)	D 445	47.46
	Viscosity Index	D 2270	.205
	Viscosity, cP @ -40°C (-40°F)	D 2983	17.323
	Pour Point	D 97	-46°C (-50°F)
	Dielectric Strength, KV	D 877	40
	Noack Volatility, % Loss	DIN 5181	1.28
	Copper Strip Corrosion	D 130	1b
	Color	D 1500	1.0
	Color	Visual	Clear

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 Premium Synthetic Hydraulic Fluid is a revolutionary 100% synthetic formulation designed for use in all hydraulic systems and under all conditions. The extremely high viscosity index of this fluid means that it does not appreciably thin when hot nor thicken when cold. BG Premium Synthetic Hydraulic Fluid handles sub-zero temperatures at which most fluids fail. This formula will reduce pump and rack wear, maintain component cleanliness, reduce pump noise, condition seals and hoses, reduce heat and foam, and provide extended fluid life. BG Premium Synthetic Hydraulic Fluid is recommended for hydraulic units—which operate at temperatures below 0°F or higher than normal temperatures—liquid shock absorbers and automatic leveling systems.

BENEFITS: Inventory consolidation to one multigrade fluid suitable for use in ISO 32, 46 and 68. Longer fluid life, reduced repairs and better equipment protection is what you can expect from using BG Premium Synthetic Hydraulic Fluid.

- SPECIFICATIONS:**
- DIN 51524, part 2 and 3 (HLP, HVLP)
 - Swedish Standard SS 155434
 - Vickers M-2950, I-286-S
 - Denison HF-0, HF-1, HF-2
 - Cincinnati Milacron P-68/69/70
 - Japanese Standard JCMAS HK
 - ASTM D 6158
 - US Steel 127, 136

- USAGE:**
- Follow vehicle manufacturer's recommendations when adding BG Premium Synthetic Hydraulic Fluid.
 - BG Premium Synthetic Hydraulic Fluid is not compatible with the rubber components of brake systems designed for use with DOT brake fluids.
 - Keep BG Premium Synthetic Hydraulic Fluid clean. Contamination with dust or other materials may result in brake failure or costly repair.
 - CAUTION: Store BG Premium Synthetic Hydraulic Fluid only in its original container. Keep container clean and tightly closed. Do not refill container or use other liquids.

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