

## DECATHLON™ EXTREME

### SYNTHETIC EXTREME PRESSURE GEAR OIL

Decathlon™ Extreme is formulated to meet the exacting demands of gearboxes operating under the most challenging conditions such as heavy load, shock loading, and frequent reversing action. ISO viscosity grade 150 to 680 meet the requirements of GE specification D50E35 for use in off-highway vehicle gearboxes such as can be found on Komatsu, Terex and Hitachi Haul Trucks.

The fully synthetic base oil blend has been formulated to ensure maximum viscosity stability over varying temperature conditions, making it ideal for applications exposed to cold weather or external sources of heat such as ovens.

Decathlon™ Extreme is the ideal choice in situations where there is excessive internal friction, leading to overheating and wear.

Due to the synthetic base oil and anti-oxidant additives, Decathlon™ Extreme is the recommended where difficult operating conditions shorten the life of conventional gear oils. Contaminants such as sludge, varnish and carbon are minimized or eliminated altogether.

**BENEFITS:**

- **REDUCED WEAR** - protects against scuffing and pitting to increase gear and bearing life.
- **DEMULSIFIABLE** - readily separates from water.
- **ANTIFOAM** – protects gears, bearings and seals by breaking up air bubbles as they form.

**APPLICATIONS:**

Use Decathlon™ Extreme on gearboxes that are subjected to severe or shock load, external sources of heat or cold, and on gearboxes that overheat due to internal friction.

Decathlon™ Extreme was designed to meet the specifications of Hitachi for use on final drive planetary gears and front wheel bearings of dump truck models: EH4500 series, EH4500-2 series and EH5000 series. It also meets GE D50E35, AGMA 9005-E02, DIN 51517-3, US Steel 224, ISO 12925-1 CKD, David Brown S1.53.101, GM LS-2 and Cincinnati Machine Gear.

ASTM #	ISO Grade	TYPICAL CHARACTERISTICS				
	<b>ISO Grade</b>	150	220	320	460	680
<b>D-445</b>	<b>Kinematic Viscosity</b> cSt @ 40°C cSt @ 100°C	150	220	320	460	680
		21	26	35	49	66
<b>D-2270</b>	<b>Viscosity Index</b>	153	151	154	168	170
<b>D-97</b>	<b>Pour Point, °F (°C)</b>	-42 (-41)	-35 (-37)	-33 (-36)	-29 (-34)	-22 (-30)
	<b>Density, lb/gal @ 60°F (15.5°C)</b>	7.09	7.11	7.12	7.15	7.15
<b>D-92</b>	<b>Flash Point, °F (°C) (Cleveland Open Cup)</b>	>475 (246)	>475 (246)	>475 (246)	>475 (246)	>475 (246)
<b>D-2783</b>	<b>Four Ball EP</b> Weld Point, kg	>250	>250	>250	>250	>250
<b>D-4172</b>	<b>Four Ball Wear</b> Scar Width, mm	<0.40	<0.40	<0.40	<0.35	<0.35
<b>D-130</b>	<b>Copper Strip Corrosion</b>	1A	1A	1A	1A	1A
<b>D-665</b>	<b>Rust Test</b>	Pass	Pass	Pass	Pass	Pass
	<b>FZG, A/8.3/90</b>	Pass 12	Pass 12	Pass 12	Pass 12	Pass 12
	<b>FZG Micro-Pitting, FAG-FVA 54</b>	Pass 10	Pass 10	Pass 10	Pass 10	Pass 10

*The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.*

**PACKAGING**

Drums	Pails
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For warranty information, scan the QR code.

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*Made in the USA in an ISO 9001:2015 and ISO 14001:2015 Facility*

