



SHELL OMALA[®] FLUIDS HD

Premium quality synthetic gear oils for severe operating conditions

Product Description

Shell Omala[®] Fluids HD is versatile, premium quality extreme pressure fluids designed to lubricate industrial gear systems. They are produced using synthetic hydrocarbon base fluids in combination with carefully selected additives. The resulting fluid is a high performance lubricant that provides excellent performance in severe operating conditions.

Applications

- industrial gear reducer systems that encounter severe operating conditions, such as high temperatures, high loading and wide temperature variations
- "sealed-for-life" systems

Features/Benefits

- excellent load carrying ability
- excellent rust and corrosion protection
- excellent oxidation and thermal stability
- high viscosity index
- extremely low pour points
- extended lubricant life
- improved system cleanliness
- compatibility with the petroleum oils and elastomers, gaskets, seals and paints used in systems designed for conventional petroleum oils
 - ANSI/AGMA 9005 – E02

Typical Properties of Shell Omala[®] Fluids HD

	Test Method	ISO Viscosity Grade			
		150	220	320	460
Product Code		65569	65131	65132	65133
AGMA Grade		150	220	320	460
Gravity, °API	D 1298	36.5	35.7	34.4	33.7
Viscosity:					
@ 40°C, cSt	D 445	145	213	304	441
@ 100°C, cSt	D 445	19.5	25.4	34.6	46.4
@ 100°F, SUS	(calc)	755	1101	1574	2291
@ 210°F, SUS	(calc)	98.6	125	168	224
Viscosity Index	D 2270	154	151	159	163
Flash Point, COC, °F	D 92	500	505	510	510
Pour Point, °F	D 97	-45	-40	-40	-35
Rust Test	D 665A D 665B	Pass Pass	Pass Pass	Pass Pass	Pass Pass
Copper Corrosion	D 130	1b	1b	1b	1b
FZG, final stages, pass	DIN 51354	13	13	13	13
Timken OK Load, lbs, pass	D 2782	>80	>80	>80	>80
Four-Ball, Wear Scar Diameter, mm	D 2266	0.34	0.37	0.37	0.37
Four-Ball, Weld Load, kgf	D 2783	250	230	235	240

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.