



FP VORTEXÖL HD 680

MINERAL

PRODUCT DESCRIPTION:

FP VORTEXÖL HD are synthetic PAO based gear oils designed to provide outstanding protection in industrial gear systems. They contain an advanced additive system designed to provide excellent protection against scuffing as well as a high level of resistance against micro pitting fatigue. FP VORTEXÖL HD oils are designed for use in a wide range of applications, including: reduction gearboxes, direct drives, angle drives, chain drives, gear couplings, hoist/winch gearboxes, screw feeder gearboxes, swing gearboxes, turret heads, workheads, centralised circulation systems.

APPLICATION:

Typical applications include: Modern, highly loaded gearboxes used in the paper, steel, oil, textile, lumber and cement industries where gear protection and optimum oil life are required.

FEATURES & BENEFITS:

- Superb protection from micro pitting fatigue wear as well as high resistance to traditional scuffing wear
- Excellent resistance to degradation at high temperatures
- High viscosity index
- Excellent resistance to rust and corrosion
- Excellent shear stability
- Excellent seal compatibility

PERFORMANCE LEVELS: Meets or Exceeds:

- US STEEL 224
- AGMA 250.04
- DAVID BROWN TABLE E 2E-9E

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	FP VORTEXÖL HD
Grade			680
Kinematic Viscosity@ 104°F /40°C	ASTM D7042	cSt	680
Kinematic Viscosity@ 212°F /100°C	ASTM D7042	cSt	75.5
Viscosity Index	ASTM D2270	-	192
Flash Point	ASTM D92	°C	242
Pour Point	ASTM D97	°C	-27
4 Ball EP Test - Weld Load	ASTM D2783	kgf	200
4 Ball EP Test - Load Wear Index	ASTM D2783	kgf	51

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point.