

Lubricants for industry.

Gear HPX



PAO-based synthetic lubricant with high-performance formulated with extreme pressure additives developed for all types of steel industrial gears.

Use

- Moeve Gear HPX is particularly recommended for all types of industrial steel gears in closed gearboxes operating under severe service conditions and subjected to high shock loads or high constant or intermittent stresses, including those operating at very high loads and low speeds.
- Its PAO-type synthetic formulation allows it to withstand high temperature changes and extreme pressures, making this product essential for certain heavily loaded gearboxes at low speeds and when there is a risk of micropitting.

Benefits

- Excellent thermal and chemical stability. Reduces the formation of lacquers, deposits, and varnishes.
- High viscosity index and low pour point.
- Elastomer compatibility and seal compatibility.
- Excellent anti-wear properties. Increases the service life of the gears.
- Perfect miscibility with mineral oils.
- High resistance to degradation. Reduces oil consumption, thus increasing the lubricant's change intervals.
- High resistance to the formation of foam and emulsions with water.

Specifications

- DIN 51517 Part 3 CLP
- AGMA 9005-F16 AntiScuff
- DAVID BROWN S153.106
- ISO 12925-1 CKC/ CKD/ CKS Type
- AIST 224
- FIVES CINCINNATI P-Specs

Physical and chemical properties

Parameter	Units	Method	Gear HPX			
ISO Grade	-	-	150	220	230	460
Viscosity at 40 °C	cSt	ASTM D-445	144	212	309	447
Viscosity at 100 °C	cSt	ASTM D-445	20.8	25.3	34.3	46.1
Viscosity index	-	ASTM D-2270	169	151	156	160
Density 15 °C	kg/l	ASTM D-4052	0.849	0.857	0.858	0.853
Flash point COC	°C	ASTM D-92	245	245	250	250
Pour point	°C	ASTM D-97	-51	-48	-45	-42
Timken OK load (lb)	lb	ASTM D-2782	65	70	70	70
FZG test, failure stage	-	DIN 51354-2	>12	>12	>12	>12
4 ball test (D. footprint, max)	mm	ASTM D-2266	0.3	0.3	0.3	0.3
4 ball test (Load, min)	kg	ASTM D-2783	250	250	250	250

Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.