

Product Data Sheet

HIPRO ONAVA 220, 320, 460, 680

Premium Quality Lead-Free Industrial Gear Oil

PRODUCT FEATURES

Premium quality lead-free extreme pressure industrial gear oils that combine high load-carrying capacity with good anti-friction characteristics.

APPLICATIONS

For all types of enclosed gear drives including worm gears. Suitable for both circulating and splash lubricated system including oil mist systems with bulk oil temperatures up to 100 ° C.

SPECIAL PROPERTIES

- ◆ Excellent wear protection under severe load conditions.
- ◆ Exceptional resistance to oxidation and sludge formation.
- ◆ Protects against foaming.
- ◆ Separates readily from water.
- ◆ Anti-corrosive to bearing metals.
- ◆ Contains a sulfur-phosphorus EP additive to absorb the impact of intense pressure within the gear sets.

PERFORMANCE LEVELS

- ◆ AISE 224
- ◆ AGMA 9004-E02
- ◆ DIN 51527 Part III
- ◆ David Brown S1.53.101

TYPICAL SPECIFICATION

PROPERTY	UNIT	TEST METHOD	SPECIFICATION			
			ISO 220	ISO 320	ISO 460	ISO 680
Density at 15 deg C	Kg/l	ASTM D4052	0.8990	0.9020	0.9040	0.9120
Viscosity at 40 deg C	cSt	ASTM D445	220	320	460	680
Viscosity at 100 deg C	cSt	ASTM D445	18.8	24.0	30.3	38.6
Viscosity Index		ASTM D 2270	95	95	95	92
Flash Point COC	deg C	ASTM D 92	Min 230	Min 230	Min 250	Min 250
Pour Point	deg C	ASTM D 97	-9	-9	-6	-6

* The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.

CAUTION: Continuous contact with used oil has caused skin cancer in lab animals. Avoid prolonged skin contact. Avoid eye contact. Wash skin thoroughly with soap and water after handling. Flush eyes with water for 15 minutes in case of contact. If swallowed, do not induce vomiting. Contact a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**