

Opt-Max Galenix 68, 100, 150, 220, 320, 460

INDUSTRIAL GEAR OIL

Opt-Max Galenix 68, 100, 150, 220, 320, 460 are a range of extreme-pressure gear oils designed for lubrication of heavy duty industrial gears.



Product Description

Opt-Max Galenix 68, 100, 150, 220, 320, 460 are high quality gear oils that has been specially developed to meet the demanding load-carrying requirements of gear manufacturers. Their high load carrying capacity and anti-friction characteristics combine to offer superior performance and protection in gears.

Features and Benefits

- Excellent EP properties which offer extreme high load-carrying capacity to provide cushions against shock loads.
- Excellent thermal and oxidation stability which can withstand high thermal loading and minimise the formation of sludge.
- Excellent anti-wear properties which help reduce gear tooth damage and bearing wear.
- Excellent rust protection which helps prevent rusting of gears and bearings in the presence of water.
- Enhanced corrosion protection which helps protect steel, cast iron, copper and bronze components contamination by water and solids.
- Good anti-foam properties which readily dissipate foam under the most unfavourable conditions, such as violent agitation in the gear case.
- Excellent demulsibility which assures good lubricant film strength and prevents gear surface from friction and wear.

Applications

- Recommended for splash or pressure circulation lubrication of most types of enclosed gears, especially where operating conditions involve heavy loads, high speeds and high relative sliding velocities at elevated ambient and operating temperatures.
- Suitable for marine gearing including main propulsion, centrifuges, deck machinery such as winches, windlasses, cranes, turning gears, pumps, elevators and rudder carriers.
- Suitable for non-gear applications include shaft couplings, screws and heavily loaded plain and rolling contact bearings operating at slow speeds.

Performance Standards

Opt-Max Galenix 68, 100, 150, 220, 320, 460 meet the following performance requirements:

- US Steel 224
- AGMA 250.04
- DIN 51517 Part 3

Specifications

Product Properties		Opt-Max Galenix 68	Opt-Max Galenix 100	Opt-Max Galenix 150	Opt-Max Galenix 220	Opt-Max Galenix 320	Opt-Max Galenix 460	Testing Methods
ISO Viscosity Grade	-	68	100	150	220	320	460	-
Kinematic Viscosity (40°C)	mm ² /s	69.4	99.2	150.0	228.3	314.6	450.7	ASTM D445
Kinematic Viscosity (100°C)	mm ² /s	9.0	11.3	14.8	19.1	23.9	30.4	ASTM D445
Viscosity Index	-	103	98	98	95	96	97	ASTM D2270
Density at 15°C	Kg/m ³	884.0	890.0	893.0	897.0	898.0	901.0	ASTM D4052
Flash Point (open)	°C	220	225	230	230	235	240	ASTM D92
Pour Point	°C	-12	-12	-12	-12	-9	-9	ASTM D97

* Above product properties are indicative and subject to change without prior notice

Storage and Handling

- All storage equipment, tanks, pipes, valves and etc. apparatus have to be cleaned thoroughly and inspected to be clean for use before transferring or transporting Opt-Max Galenix 68, 100, 150, 220, 320, 460.
- Opt-Max Galenix 68, 100, 150, 220, 320, 460 must be stored in dedicated storage tanks/equipment and it is recommended to be stored in an indoor controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Opt-Max Galenix 68, 100, 150, 220, 320, 460 must be clearly labelled properly during the entire transportation process to prevent the risk of mixing with other petrol-chemical product.

Health & Safety

Opt-Max Galenix 68, 100, 150, 220, 320, 460 are unlikely to present any significant health or safety hazard when properly used in the recommended application. These products must always be handled with care, particularly avoiding skin contact. For further guidance on Product Health & Safety refer to the appropriate Opt-Max Galenix 68, 100, 150, 220, 320, 460 Material Safety Data Sheet.