

Product Data

ZIE GEAR SP High Performance Gear Oil

Description:

ZIE GEAR SP ranges are high performance mineral base extreme pressure gear lubricants. They are formulated using high performance mineral base oils which are fortified with a Sulphur-phosphorous additive system to prevent scuffing in heavily loaded applications. The balanced formulation separates water rapidly and resists foaming ensuring optimum film strength at the point of contact. The range can be used in splash lubricated or forced circulation systems

Features:

ZIE GEAR SP oils are manufactured to give a high level of load carrying performance together with other characteristics giving long life and tolerance towards contaminants in a harsh operating environment:

- Excellent thermal stability and oxidation resistance.
- Good water resistance and demulsification characteristics.
- Protection of iron and bronze components against corrosion.

Specifications:

Meeting the requirements of

- DIN 51517 Part 3
- AGMA 9005 – D94
- US Steel 224
- David Brown Type E
- Hansen Transmissions
- Flender
- DIN Classification is CLP
- American Gear Manufacturers Association (AGMA) EP Classification

Applications:

- Spur, bevel, spiral and planetary gearboxes
- Bearings at pumps
- Crankcase lubricant for high pressure mud or cement pumps

Typical characteristics:

Name	Test Method	Zie Gear SP						
		68	100	150	220	320	460	680
Colour, max.	Visual	3.0	3.0	3.5	4.0	4.5	4.5	8.0
Kinematic viscosity at 40 °C, cSt min.	ASTM D 445	68	100	150	220	320	460	680
Viscosity index, min.	ASTM D 2270	95	95	95	95	95	90	90
Flash point, COC, °C, min.	ASTM D 92	210	210	230	230	240	245	250
Timken OK load, min., in kg	ASTM D 2782	60	60	60	60	60	60	60
Rust Prevention -Sea Water	IP 135B	Pass	Pass	Pass	Pass	Pass	Pass	Pass

The above figures are typical figures with normal production tolerance.

Health & Safety

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.