

## AXNOL GEARAX HD SERIES

### HIGH PERFORMANCE HEAVY DUTY INDUSTRIAL GEAR OILS

AXNOL GEARAX HD oils are high quality Heavy duty extreme-pressure premium oils especially designed for the lubrication of heavy duty industrial & Mining gearboxes. This oil also outperforms in high temperature and heavy load carrying application on various Industrial and mining sector. Their high load carrying capacity and anti-friction characteristics with advanced formulation of EP additive and anti oxidation, combine to offer superior performance In gears and extend the life of oil change.

#### EXCELLENT IN PERFORMANCE

### Performance, Features & Benefits.

#### •Long oil life – Cost Saving

Axnol Gearax HD series oils are formulated with selected property of Mineral base oil with high performance designed additive to resist thermal and chemical breakdown throughout the maintenance interval. They withstand high thermal loading and resist the formation of sludge to provide extended oil life capability, even with heavy load with bulk oil temperatures of up to 100+ °C in certain applications. It also offers good water resistant property and better oil film in gearboxes. This oil having higher viscosity index property to meet the temperature requirement of leading OEM's standard.

#### •Enclosed industrial gear systems

Axnol Gearax HD series oils are formulated using advanced additive system to provide as extreme pressure performance and heavy load, which allow trouble-free performance in most enclosed industrial gearboxes using steel spur and helical gears.

#### •Excellent - Reduce wear & tear with corrosion protection

Due to excellent heavy load carrying capacity and extended temperature performance helps to reduce wear & tear of all metal parts like gear tooth and bearing and provide smooth function of equipment's.

Axnol Gearax HD series oils are heavy duty load carrying with water resistant properties provide excellent corrosion protection, protecting all metal components, even in the presence of contamination by water and solids.

#### • Maintaining equipment Life

Axnol Gearax HD series of oils have excellent water separation properties, such that excess water can be drained easily from lubrication systems to help extend the life of the gears and ensure efficient lubrication of the contact areas.

Water can greatly accelerate surface fatigue of gears and bearings as well as promoting ferrous corrosion on internal surfaces. Water contamination should therefore be avoided or removed as quickly as possible after the occurrence

## •Other applications

Axnol Gearax HD series of oils are suitable for lubrication of bearings and gear drive and other components in circulating and bath –lubricated systems.

## Meet the Specification

- Fives Cincinnati P-74
- AGMA EP 9005 – EO2
- ISO 12925- 1 Type CKD
- Din 51517 – Part 3 CLP

## Product- Specification

Properties	Method	VG 100	VG150	VG 220	VG 320	VG 460	VG 680
ISO Viscosity Grade	ISO 3448	100	150	220	320	460	680
Kinematic Viscosity @40°C mm <sup>2</sup> /s	ISO 3104	100	150	220	320	460	680
Kinematic Viscosity @100°C mm <sup>2</sup> /s	ISO 3104	11.4	14.7	19.4	24.4	33.2	42.8
Viscosity Index	ISO 2909	98	98	98	98	96	95
Density @15°C kg/m <sup>3</sup>	ISO 12185	8.9	8.95	9.0	9.1	9.1	9.2
Flash Point (COC) °C	ISO 2592	>250	>250	>260	>255	>270	>270
Pour Point °C	ISO 3016	-24	-24	-24	-14	-12	-10

These characteristics are typical of current production. Whilst future production will conform to Axnol's specification, variations in these characteristics may occur.

## Health Safety & Environment

Axnol Gearax HD is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and safety is available on the appropriate Material Safety Data Sheet, which can be obtained from

## •Environment Safety

Store used oil as per standard collection point. Stop discharge into drains, soil or water.

## Additional Information

### •Advice

Advice on applications not covered here may be obtained from your Axnol representative.