

## **AXNOL FREEZAX SERIES**

### **HIGH PERFORMANCE INDUSTRIAL REFRIGERATION FLUID**

AXNOL Freezax series oils are high quality premium anti-freeze refrigeration oils, especially designed for the lubrication of reciprocating and rotary refrigeration compressor oil in ice plant, cold storages and circulating equipment in various industrial and domestic sector using Ammonia as refrigerant. These oils provide high efficiency and extra protection from wear and tear with long oil drain interval as compatibility with ammonia.

These oil resist breakdown under heat and mechanical stress and counter to prevent sludge deposit with advanced additive technology and helps to extend oil life and stop damaging the compressor system.

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### **XCELLENT IN PERFORMANCE**

#### **Performance, Features & Benefits.**

##### **•Long oil life – Cost Saving**

Axnol Freezax series oils are formulated with selected Mineral base oil with high performance anti wear 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, and provide excellent stability in the presence of moisture, which ensures long fluid life.

##### **•Industrial systems**

Axnol Freezax series oils are formulated using special additive system to provide extended oil life and performance which allow trouble-free application in most compressors application in various industrial equipment. It also offer low temperature fluidity as well as inherent resistance to oxidation and sludge formation.

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

Due to selected base oil and advanced additive technology, these oil enhance protection from sludge and helps to maintain clean compressor system. These oils also counter to reduce wear & tear of all metal parts inside the equipment and provide smooth function of Machinery.

Axnol Freezax series oils are carrying excellent corrosion protection, protecting all metal components, even in the presence of contamination by moisture.

##### **• Maintaining equipment Life**

Axnol Freezax series of oils have good water separation properties and control lubrication systems to help extend the life of the compressor equipment and ensure efficient lubrication of the contact areas.

## •Other applications

Axnol Freezax series of oils are suitable for lubrication of Industrial application like reciprocation and rotary compressors with ammonia compatibility pack and other ice plant and cold storages.

## Meet the Specification

• Din 51503 KKA –KE

## Product- Specification

Properties	Method	VG46	VG 68
ISO Viscosity Grade	ISO 3448	46	68
Kinematic Viscosity @40°C mm <sup>2</sup> /s	ISO 3104	46	68
Kinematic Viscosity @100°C mm <sup>2</sup> /s	ISO 3104	6.6	8.9
Viscosity Index	ISO 2909	105	105
Density @15°C kg/m <sup>3</sup>	ISO 12185	.850	.0860
Flash Point (COC) °C	ISO 2592	>225	>232
Miscibility with oil base		PAO	PAO
Pour Point °C	ISO 3016	-32	-30

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 Freezax 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.