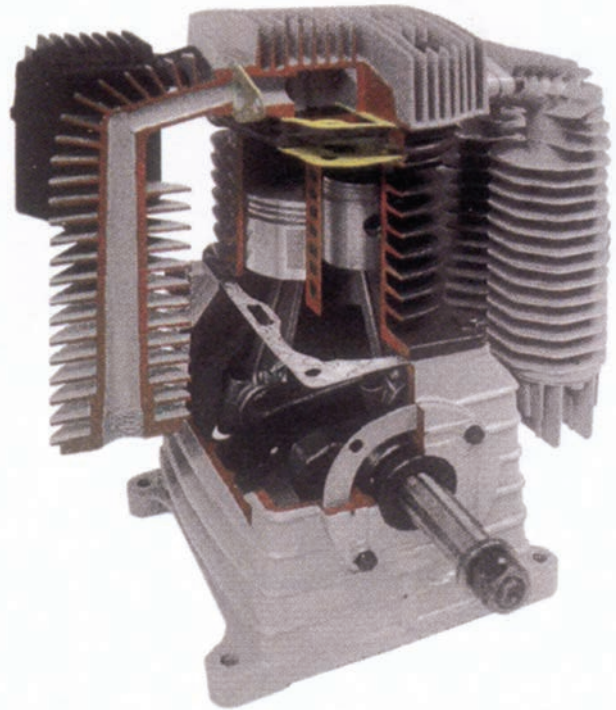




**ZetaLube**

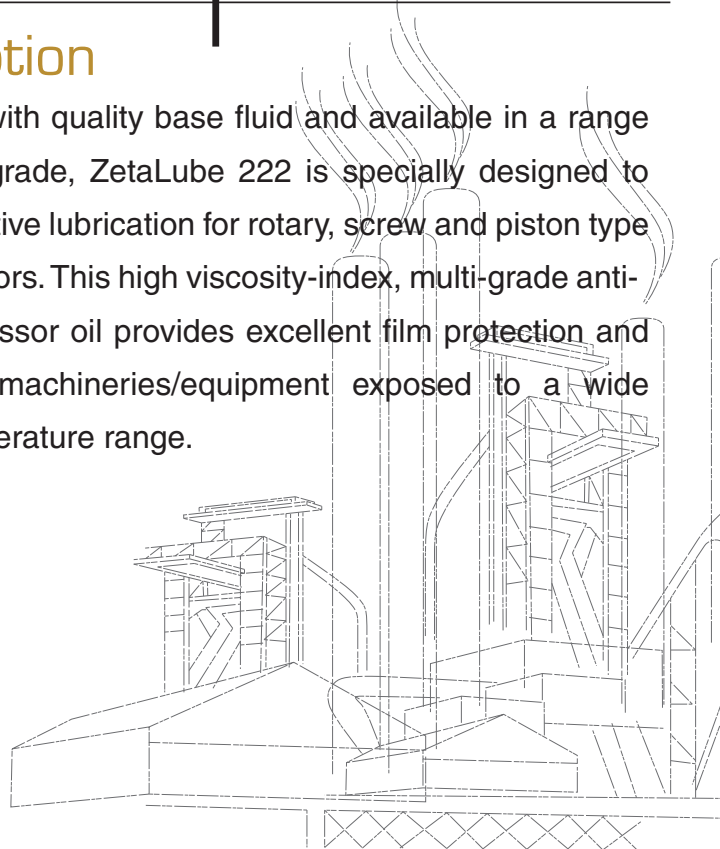
A New Lubricity Dimension  
Evolved From Experience



# ZetaLube 222 Compressor Oil

## Description

Formulated with quality base fluid and available in a range of viscosity grade, ZetaLube 222 is specially designed to provide effective lubrication for rotary, screw and piston type air compressors. This high viscosity-index, multi-grade anti-wear compressor oil provides excellent film protection and strength to machineries/equipment exposed to a wide service temperature range.



**MAGNA INDUSTRIAL CO. LIMITED**  
*Total Quality Maintenance*

[www.magnagroup.com](http://www.magnagroup.com)

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## Features and Benefits

- Good thermal and oxidation stabilities - eliminates build-up of sludge and varnish which are detrimental to the performance of turbine engine.
- Excellent wear protection even at high temperatures to which most turbine engines are exposed.
- Fortified with anti-corrosion and anti-foam additives to provide necessary protection to the turbines operating in humid and harsh conditions.
- Offers outstanding film protection and strength to turbines bearing high loads.
- Provides reliable and clean lubrication to reduce maintenance costs and more importantly to eliminate unplanned downtime.

## Recommended Applications

- For lubrication of steam and gas turbines requiring ISO VG 68 or ISO VG 100 turbine oils.
- Can also be applied to lubricate compressors and pumps.
- General non-EP plant lubrication

## Typical Data

TEST	ISO VG 68	ISO VG 100
Appearance	Amber	Amber
Density, kg/L @ 20°C	0.871	0.875
Viscosity, cSt @ 40°C	68	100
Flash Point (Open Cup), °C	>230	>230
Pour Point, °C	-11	-10
Oxidation Characteristics – Hours to TAN 2.0	1500	1500
Copper Strip Test, 100°C, 3 hours	1b	1b

The data shown are typical value and may vary.

## Pack-size

205 Litre Metal Drum & 20 Litre Plastic Container

### Authorized Distributor

**Alshawi Trading,**  
Block 351, Road 51, Bldg 20, Manama - Bahrain.  
[www.alshawitrading.com](http://www.alshawitrading.com)  
[info@alshawitrading.com](mailto:info@alshawitrading.com)  
P. O. Box : 33526

Tel: (973) 1755 0019  
Fax: (973) 1755 5108

**MATERIAL SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910. 1200, Standard must be consulted for specific requirements.

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MAGNA INDUSTRIAL CO. LIMITED  
18/F., GUARDIAN HOUSE,  
32 OI KWAN ROAD, WANCHAI,  
HONG KONG

TEL: (852) 2577 5187

FAX: (852) 2577 3190

<b>IDENTITY (As Used on Label and List)</b> <b>ZETALUBE 223</b>	<b>LAST ASSESSED:</b> 29 May 2007
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**SECTION I - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<i>Hazardous Components (Specific Chemical Identity: Common Name(s))</i>	<i>CAS NO.</i>	<i>ACGIH TLV</i>	<i>Other Limits Recommended</i>
Highly refined mineral oil	64742-65-0	5mg/m <sup>3</sup> *	-

**SECTION II - PHYSICAL CHARACTERISTICS**

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H<sub>2</sub>O = 1)</i>	~0.9
<i>Vapor Pressure (@25°C, mmHg)</i>	N.A.	<i>Melting Point</i>	N.A.
<i>Vapor Density (AIR = 1)</i>	N.A.	<i>Evaporation Rate (Ether = 1)</i>	N.A.

*Solubility in Water* Negligible

*Appearance and Odor* Amber liquid with negligible odor.

**SECTION III - FIRE AND EXPLOSION HAZARD DATA**

<i>Flash Point (Method Used)</i>	<i>Flammable Limits</i>	<i>LEL</i>	<i>UEL</i>
>230°C	N.A.	-	-

***Extinguishing Media***

Dry chemical, water fog, carbon dioxide, foam, and sand.

***Special Fire Fighting Procedures***

Fire fighters should wear an approved self-contained breathing apparatus.

***Unusual Fire and Explosion Hazards***

None expected. Autoignition temperature is in excess of 450°C.

**SECTION IV - REACTIVITY DATA**

<i>Stability</i>	<i>Conditions to Avoid</i>
Stable	None

***Incompatibility (Materials to Avoid)***

Strong oxidizing agents, hydrogen peroxide, chromic acid, bromine.

***Hazardous Decomposition or Products***

Incomplete combustion and high temperature thermal decomposition may promote oxides of carbon, sulfur and phosphorus.

<i>Hazardous Polymerization</i>	<i>Condition to Avoid</i>
Will Not Occur	None

**SECTION V - HEALTH HAZARD DATA**

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**Threshold Limit Value**

See section I hazardous ingredients

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**Effects of Overexposure**

There is no lethal dose information available.

Inhalation: Inhalation of vapours can cause irritation of the respiratory tract. High concentrations of oils, mists or vapours can cause chemical pneumonitis.

Skin: May cause irritation, drying and cracking.

Eyes: Cause irritation.

Ingestion: May cause irritation in mouth and stomach, thirst, nausea, vomiting, diarrhoea, with possible collapse if large amounts ingested.

Aspiration of material upon vomiting may cause chemical pneumonitis.

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**Emergency & First Aid Procedures**

Eyes: Flush with large amounts of water for at least 15 min. Call a physician immediately.

Skin contact: Wash thoroughly with soap and water.

Inhalation: N.A.

If swallowed: Call a physician immediately.

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**SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Steps to Be Taken In Case Material Is Released or Spilt**

Transfer bulk of material into another container. Absorb remaining residue with proper absorbents such as sand, earth, and vermiculite. Sweep up and dispose of as solid waste comply with all local and national regulations.

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**Waste Disposal Method**

By methods consistent with local and national regulations.

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**Precautions to Be Taken in Handling and Storing**

Keep containers closed. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wash clothing before re-use. Keep away from feed and food products.

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**Other Precautions**

Keep out of the reach of children.

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**SECTION VII - CONTROL MEASURES**

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**Respiratory Protection (Specify Type)**

None required

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Special</b>
	N.A.	N.A.
	<b>Mechanical (General)</b>	<b>Other</b>
	N.A.	N.A.
<b>Protective Gloves</b>	Rubber or plastic oil resistant gloves.	<b>Eye Protection</b>
		Safety goggles and full-face shield when handled hot.

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**Other Protective Clothing or Equipment**

None required

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**Work/Hygienic Practices**

N.A.

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**Remarks**

\* The ACGIH TLV for mineral oil mists is 5mg/m<sup>3</sup> for a daily 8-hour exposure.

Transportation: Not classified.

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