

Omega 907

DESCRIPTION:

Omega 907 is a specially formulated engine and compressor flushing compound that removes all harmful deposits in an engine with addition, and prior to flushing of old oil. This complete removal of accumulated sludge, through the use of Omega 907 Engine Flush enables the new oil to function at its peak performance, and thus protect and lubricate the engine parts to best effect.

WHAT HAPPENS WITHOUT OMEGA 907:

The increasingly high performance of more critically-designed engines means that engine oils have to work much harder to keep the engine operating smoothly. The highly competitive nature of most industries leads vehicle operators to stretch service intervals and operating loads to the maximum.

Modern engine oils are designed with complex additive packages that are produced with in-built limits of operating life. When such limits are exceeded, or if the oil is subject to operating in extreme conditions, the additives break down and no longer provide the engine with proper protection.

1. Anti-wear agents break-up and metallic engine parts start throwing off minute chips and particles that are circulated by the overworked engine oil.
2. Corrosion Inhibitors are progressively weakened until the acids formed by the chemical combustion cycle residue start to attack rings, valves, cylinders, walls, bearings, etc.
3. The Detergents and Dispersants lose their ability to keep the engine sludge in suspension due to 'overload', and deposits start to adhere and gum to parts, eventually forming varnish with operating heat.
4. The complex by-products of the above additive deterioration are circulated throughout the engine and valves, leading to a vicious cycle of engine parts

attrition.

5. The Glycol anti-freeze agent in motor oil starts destroying the additives, and the engine's performance gradually deteriorates until complete failure results.

WHAT HAPPENS DURING A NORMAL OIL CHANGE:

As motor oil additives reach the end of their operating life, through overwork, there are literally dozens of engine damaging impurities in suspension (if the detergents are still functioning) or coating the whole engine.

A normal engine oil change flushes away part of the suspended impurities but leaves at least a pint (600 ml) of the old oil within the sump, coating engine surfaces, and, in severe cases, gumming up engine parts.

When a new oil is added during a normal oil change, the impurities in the old oil and those still coating the engine parts immediately start to react with the new oil's additives. The new oil's additives are put immediately to use combating the impurities of the old oil, and cannot, therefore, even provide engine protection at the very start of its operating life!

The new oil provides a diminished level of protection from the beginning of its service life and, in severe cases, no protection at all! With every successive oil change, the condition worsens until an engine seizure takes place.

WHEN YOU USE OMEGA 907:

Omega 907, when added to old oil just prior to drainage, will immediately act on the gumming and varnish deposits on all engine parts to quickly destroy their metallic adhesion and suspend them in the tired oil for easy removal with drainage.

Omega 907's specially formulated neutralizing action, combats acid conditions prevalent in the residue oil, to prevent corrosive damage. Omega 907 also breaks down glycol and its resultant residues, to protect the engine parts from the anti-lubrication properties inherent to glycol.

Omega 907, unlike ordinary flushes, is added to an operating engine and thus also removes varnish and deposits from valves and hydraulic lifters, to ensure

proper post-application operation.

The all-encompassing cleaning and flushing properties of Omega 907 help ensure that when the Omega 907-treated old oil is drained from crankcases, all harmful residues are removed as well. This in turn enables the new motor oil, added after drainage, to perform properly without being subject to immediate deterioration caused by old oil impurities remaining in the engine.

APPLICATION:

For Engines:

1. Turn engine off after attaining normal operating temperature.
2. Add 300ml of Omega 907 to every 3 litre of engine oil capacity.
3. Start and Idle engine for 10 minutes, then drain crankcase while hot.
4. Replace oil plug, change filters and add fresh new Omega engine oil.
5. Repeat application every 10,000 km or with each oil change to ensure maximum engine protection.

For Compressors:

1. Add 10% by volume Omega 907 to the existing compressor oil.
2. Run compressor at low loading for 30 minutes.
3. Drain and refill with new oil.

MAGNA INDUSTRIAL CO. LIMITED

Total Quality Maintenance

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MATERIAL SAFETY DATA SHEET

DATE 01 Apr 2015

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name/Code Omega 907

Company Identification

Omega Manufacturing Division,
Magna Industrial Co. Limited,
1801, Guardian House,
32 Oi Kwan Road,
Wanchai, Hong Kong.

Distributor

Alshawi Trading,
Block 351, Road 51, Bldg 20, Manama - Bahrain.
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SECTION 2 - HAZARDS IDENTIFICATION

Harmful

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS Number</u>	<u>Wt.%</u>	<u>Classification</u>
Highly refined mineral oil**	64742-65-0	60-100	-
Diesel fuel	68476-34-6	10-30	Carc.3;R40

SECTION 4 - FIRST-AID MEASURES

Eye Contact: Flush with plenty of water for at least 15 minutes. Seek immediate medical attention.

Skin Contact: Wash thoroughly with soap and water. Obtain medical attention in case of skin irritation or other cause for concern.

Inhalation: Move patient to open air.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

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SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, waterfog, foam, sand and carbon dioxide.
Special Protective Equipment for Fire Fighters: Self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Dense smoke. Carbon dioxide, carbon monoxide.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Transfer bulk of material into another container. Absorb remaining residue with proper absorbents such as sand, vermiculite. Sweep up and dispose of in accordance with local and national regulations.

SECTION 7 - HANDLING AND STORAGE

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

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH TLV

Highly refined mineral oil 5 mg/m³ (oil mist)

Eye Protection: Safety goggles and full-face shield
Hand Protection: Rubber or plastic oil resistant gloves.
Ventilation: Use under well ventilated conditions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber liquid
Odour: Mineral oil odour
pH: N.A.

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Specific Gravity: 0.9
Vapour Pressure: N.A.
Boiling Point: N.A.
Melting Point: N.A.
Flash Point: 100°C
Flammability: N.A.
Evaporation Rate: N.A.
Solubility in Water: Insoluble

SECTION 10 - STABILITY AND REACTIVITY

Stable under normal condition.

Materials to Avoid: Strong oxidizing agents, hydrogen peroxide, chromic acid, bromine.

Toxic compounds may form on thermal decomposition. Hazardous combustion products: carbon monoxide, carbon dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

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.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is available at present.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Comply with all local and national regulations regarding disposal.

SECTION 14 - TRANSPORT INFORMATION

UN Number : Not regulated

IATA Class : Not regulated, Packing Group: Not regulated

IMDG Class : Not regulated, Packing Group: Not regulated

Not considered hazardous for transport purpose.

SECTION 15 - REGULATORY INFORMATION

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SECTION 16 - OTHER INFORMATION

R-phrases: R40 - Possible risk of irreversible effects

S-Phrases: S24 - Avoid contact with skin

S36/37 - Wear suitable protective clothing and gloves

**The highly refined mineral oil used in this product contains less than 3% DMSO extract as measured by IP 346.

Remarks: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.