

VAPPRO[®]

VAPOUR CORROSION INHIBITOR

Your Corrosion Solution

PRODUCT INFORMATION

VAPPRO 850 ENGINE GUARD

Function:
Vapour Corrosion Inhibitor (VCI)

Application:
Oil Additives

Form:
Liquid

DESCRIPTION

Almost any type of enclosed lubricating or hydraulic oil system is susceptible to corrosion caused by condensation. The problem is widespread for machines in transit or used intermittently. During shutdown periods the oil drains from the wetted surfaces exposing them to corrosive agents. To eliminate this major problem Magna has developed **VAPPRO 850 Engine Guard**, a corrosion inhibiting additive for mineral based lubricating and hydraulic oils.



VAPPRO 850 Engine Guard is a vapor corrosion inhibitor concentrate which offers excellent corrosion protection for the interior surfaces of engines, gearboxes, hydraulic systems and other lubricated equipment. During downtime periods or while equipment is being preserved, **VAPPRO 850 Engine Guard's** vapor action will protect areas where the oil drains off the metal surface above the normal lubrication level.

APPLICATIONS

- Compressors
- Engines
- Generators
- Gearboxes
- Lube Oil Systems
- Pumps
- Valves

HOW VAPPRO 850 ENGINE GUARD WORKS

VAPPRO 850 Engine Guard works by continuously releasing a vapor with powerful anti-corrosion molecules. On contact with metal the vapor forms a mono-molecular film on the substrate surface creating an insulating barrier between the metal and its environment. As a result, it prevents the process of corrosion. The film is self-healing through the continual release of the vapors within the engine or component.

PHYSICAL PROPERTIES

Description	Naphthenic Mineral Oil with Corrosion Inhibitors
Appearance	Golden Color
Closed Flash Point	170°C
Pour Point	-45°C
Total Acid No (mgKOH.g")	<0.01
Specific Gravity (+-0.02)	0.902
ISO Viscosity Grade	22
Base Oil Viscosity Cst @ 40°C	21.5
Base Oil Viscosity Cst @ 100°C	3.7
SUS @ 100°F	110
Active Protection Period	Up to 24 months
Shelf Life	36 months
Storage	Cool, dry place at minimum temperature of 10°C

DIRECTIONS FOR USE

VAPPRO 850 Engine Guard is a concentrated corrosion inhibitor (oil additive) that can be applied to equipment either in service or in shutdown/preservation situations.

VAPPRO 850 Engine Guard should be added to oil pumps or reservoirs at a ratio of 1-part **VAPPRO 850 Engine Guard** to 10 parts lubricating oil by volume.

Once added the material partially volatilizes over a period of time to protect metallic components at or above the normal oil level. **VAPPRO 850 Engine Guard** may be introduced to the system by adding to the existing lube oil and, if correctly diluted with compatible oil, by spraying directly onto components. It can also be applied by fogging into machinery cases with compressed air or by any of the above.

In order to retain the VCI vapor over a period of time, all normal machinery case vents, reservoir air pipes, exhausts, breathers and other openings should be sealed.

VAPPRO 850 Engine Guard does not alter lubricant properties and does not by its addition necessitate draining or renewal of the lubricant/hydraulic oil subsequent to operating treated machinery or re-commissioning.

Immediately after treatment the engine or machinery should be operated sufficiently in order to circulate the treated oil. **VAPPRO 850 Engine Guard** can also be used in its concentrated form for the protection of upper cylinders.

PACKAGING

- 20L Pail
- 200L Drum



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