



# VAPPRO VCI-850 SC SUPER CONCENTRATED ENGINE GUARD

**NATO STOCK NUMBER:**  
6850-32-076-1100

## DESCRIPTION

Almost any type of enclosed lubricating or hydraulic oil system is susceptible to corrosion caused by condensation of humid air. The problem is widespread for machines in transit or used intermittently. During shutdown periods, oil drains from the wetted surfaces exposing them to corrosive agents. To eliminate this major problem, Magna has developed **Vapro VCI-850SC Engine Guard**, a corrosion inhibiting additive for mineral based lubricating and hydraulic oils. **Vapro VCI-850SC Engine Guard** is a vapour 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 whilst equipment is being preserved, **Vapro VCI-850SC Engine Guard's** vapour action will protect areas where the oil has been drained away.

## HOW VAPPRO VCI-850SC ENGINE GUARD WORKS

**Vapro VCI-850SC Engine Guard** works by continuously releasing a vapour with powerful anti-corrosion properties. On contact with metal, the vapour forms a mono-molecular film on the substrate surface, creating an insulating barrier between the substrate and environment, thus preventing the process of corrosion. The film is self-healing through further release of the vapour.

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

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

## APPLICATIONS

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

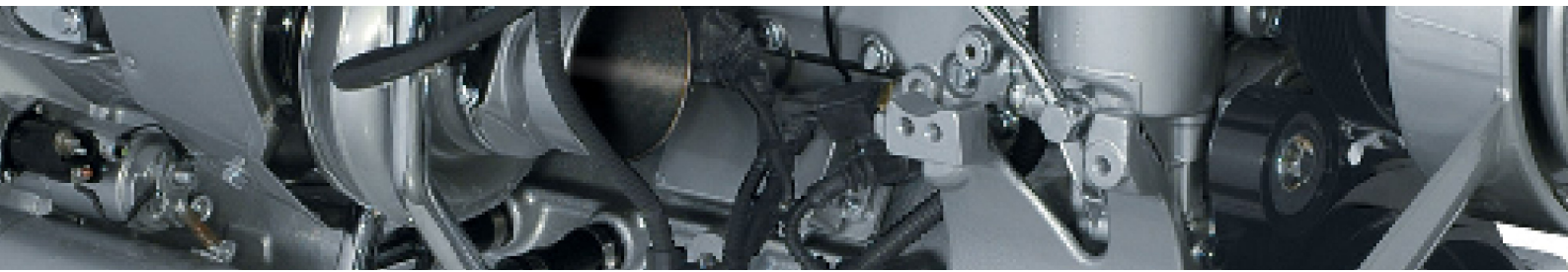
## MIL SPECIFICATIONS CONFORMANCE

CONFORMS TO MIL P-46002B  
CONFORMS TO MIL I-85062 (AS)



A member of





## METHOD OF APPLICATION

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

Vapro VCI-850SC Engine Guard should be added to oil sumps or reservoirs at a ratio of 1 part Vapro VCI-850SC Engine Guard to 33 parts lubricating oil by volume.

Once added, the material partially volatilises over a period of time to protect metallic components at or above the normal oil level. Vapro VCI-850SC 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, by fogging into machinery cases with compressed air or by any combination of the above.

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

## DOSAGE

3% of the total volume

## AVAILABLE PACKAGING

20 Liters & 200 Liters Drum

## SPECIFICATIONS

### Description

Napthenic Mineral Oil with Corrosion Inhibitors

### Appearance

Liquid

### Color

Amber

### Odour

Mild

### Flash Point

>146°C (Pensky-Martens)

### Relative Density

0.87 ± 0.025

### Solubility

Insoluble in water

### Viscosity

Free flowing liquid

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