



ECO FRIENDLY
SUSTAINABLE
BIODEGRADABLE



VBCI Series- A class of environmentally friendly corrosion inhibitors for a cleaner, greener, better tomorrow.

VBCI ADDITIVES SERIES

Vapro VBCI-850 Engine Guard

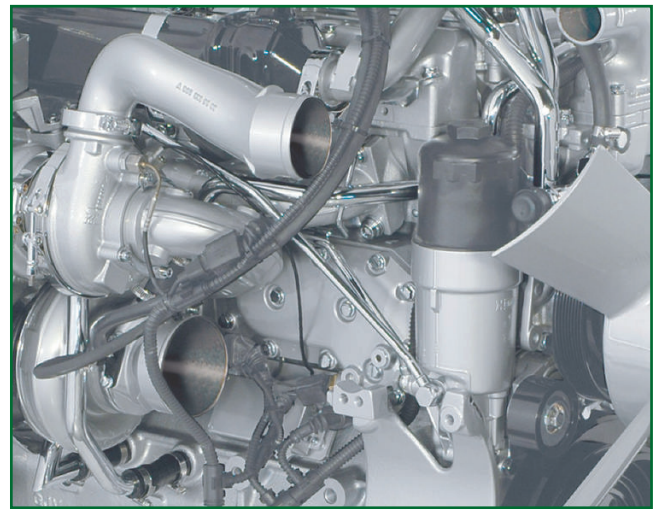
MIL SPECIFICATIONS CONFORMANCE
CONFORMS TO MIL P-46002B
CONFORMS TO MIL I-85062 (AS)

Passed German VIA (Vapour Inhibition Ability) Test TL 8135-002

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 VBCI-850 Engine Guard, a corrosion inhibiting additive for mineral based lubricating and hydraulic oils. Vapro VBCI-850 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 VBCI-850 Engine Guard's vapour action will protect areas where the oil has been drained away.



How Vapro VBCI-850 Engine Guard Works

Vapro VBCI-850 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-850 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 VBCI-850 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



Method of Application

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

Vapro VBCI-850 Engine Guard should be added to oil sumps or reservoirs at a ratio of 1 part Vapro VBCI-850 Engine Guard to 10 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 VBCI-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, by fogging into machinery cases with compressed air or by any combination of the above.

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

Available Packaging

20 Litres & 200 Litres drum

Specifications

Description

Napthenic Mineral Oil with Corrosion Inhibitors

Appearance

Golden Oil

Flash Point

>220°C (C.O.C.)

Pour Point

-45°C

Total Acid No (mgKOH.g")

<0.01

Specific Gravity

0.885±0.025

ISO Viscosity Grade

22

Base Oil Viscosity Cst @ 40°C

21.5

Cst @ 100°C

3.7

SUS @ 100°F

110

Active Protection Period

Up to 2 Years

Storage

Cool, dry place at minimum temperature of 10°C

Shelf Life

36 months

Magna

Magna International Pte Ltd

10H, Enterprise Road,
Singapore 629834.

Tel (65) 6786-2616

Fax (65) 6785-1497

Email info@magnachem.com.sg
info@vapprovci.com

Web <http://www.vapprovci.com>

Headquarters



Singapore

Regional Offices



Australia



Canada

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