

HD COOL POWER ULTRA

High performance engine coolant concentrate

DESCRIPTION

HD COOL POWER ULTRA is an organic acid coolant concentrate formulated with Carboxylate for superior performance and long life.

HD COOL POWER ULTRA is designed for use in all types of engines including Automotive, Heavy Duty Diesel; on and off highway, Stationary Power Generation and Marine.

During extensive field testing, **HD COOL POWER ULTRA** has proven to provide superior protection for at least 32,000 hours in marine and stationary applications.

ADVANTAGES

- Long Life protection of aluminium, copper, cast iron, steel, alloys and solder components, brass and bronze
- Protection against cavitation erosion in wet liner applications
- Additive stability alleviates the need for the addition of supplementary and dry coolant additives
- Improves thermal stability
- Glycol free formulation for optimum heat transfer

TECHNICAL INFORMATION

| Characteristics | Method | Units | Norms |
|------------------------|------------|-------|-------------|
| Color | Visual | | Dark violet |
| Density at 20°C / 68°F | ASTM D1122 | g/mL | 1.058 |
| pH | ASTM D1287 | | 8.2 |

SPECIFICATIONS / APPROVALS

HD COOL POWER ULTRA meets or exceeds the most common specifications and OEM requirements:

- Caterpillar (MAK)
- Detroit Diesel DFS93K217
- Jenbacher TA 1000-0204
- Liebherr – MD1-36-130
- MAN 248
- MAN Diesel B&W 2 and 4 stroke
- MAN Diesel B&W AG – D36 5600
- Mercedes-Benz truck – MB 312.0
- MTU – MTL 5049
- MWM 0199-99-2091/12
- NSD TR 1508 – 10/94
- Rolls Royce Bergen 2.13.01 – diesel and gas engines
- SACM Diesel – DLP799861
- Semt Pielstick
- Wärtsilä – Diesel, gas, dual fuel engines
- Waukesha
- Yanmar

HD COOL POWER ULTRA is approved for the engine types Wartsila® 200, Wartsila® Vasa 32 / 32LN, Wartsila® 20, Wartsila® 26, Wartsila® 31, Wartsila® 32, Wartsila® 38, Wartsila® 46, Wartsila® 46F, Wartsila® 50, Wartsila® 64, Sulzer® Z40 / ZA40 / ZA40S, Wartsila® 220SG, Wartsila® 28SG, Wartsila® 31SG, Wartsila® 34SG, Wartsila® 50SG, Wartsila® 20DF, Wartsila® 31DF, Wartsila® 32DF, Wartsila® 34DF, Wartsila® 46DF and Wartsila® 50DF.

RECOMMENDATIONS

HD COOL POWER ULTRA must be diluted in de-mineralized water for use as coolant.

- Mix with 8% HD Cool Power Ultra and 92% correct demineralised water
- Do not use undiluted
- Can be mixed with EG/PG for freeze point protection where required
- For off-highway, power generation applications or high coolant volume circuits please see the OEM's engine de rate charts for glycol content percentages

ATTENTION

HD COOL POWER ULTRA does not provide any antifreeze protection.

SERVICE AND EQUIPMENT

In addition to its product ranges, Motul can provide tools and services for the maintenance and in-use monitoring of your lubricants. Please contact your technical sales representative.

IMPORTANT NOTICE

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment.

Our product contains natural additives which are likely to modify the color of the concentrates without altering its performance. The specifications of our products are definite only at the time of order and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary. The safety data sheet of this product is available at www.motul.com