

HD COOL POWER ULTRA

Concentrated Cooling Fluid

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 for 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 CHARACTERISTICS

CHARACTERISTICS	METHOD	HD COOL POWER ULTRA
Color	Visual	Purple
Density at 20°C (68°F)	ASTM D1122	1.058 g/mL
pH	ASTM D1287	8.2

HD COOL POWER ULTRA does not provide any antifreeze protection.

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.

STANDARDS / APPROVALS / PERFORMANCE LEVEL

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

- CATERPILLAR - MAK
- DETROIT DIESEL - DFS 93K217
- Innio 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
- DEUTZ - 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 -

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.



DATA SHEET

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. The safety data sheet is available on www.motul.com.

Our product contains natural additives which are likely to modify the colour 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.