

MOTUL HD COOL POWER ULTRA

**High-Performance Engine Coolant Concentrate
Organic Acid-Inhibitor Technology (OAT)**

TYPE OF USE

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

PERFORMANCES

HD COOL POWER ULTRA provides long-lasting protection for aluminum, copper, cast iron, steel, alloys, soldered components, brass, and bronze.

It offers effective protection against cavitation erosion in wet liner applications.

The stable additive package eliminates the need for supplementary or dry coolant additives.

It also enhances thermal stability and, thanks to its glycol-free formulation, ensures optimal heat transfer.

RECOMMENDATIONS

HD COOL POWER ULTRA may be used in engines manufactured from cast iron, aluminum or combinations of the two metals, and in cooling systems made of aluminum or copper alloys.

HD COOL POWER ULTRA must be diluted in de-mineralized water for use as coolant. Do not use undiluted.

HD COOL POWER ULTRA provides long-life corrosion protection. Depending on the actual application the dosage may vary from 5 - 10 % but a minimum of 5 vol. % in water should be used.

For off-road, truck and bus application the recommended life time is 8,000 hours or 650,000 km, provided a concentration of 7.5 vol.% is used.

HD COOL POWER ULTRA does not provide any antifreeze protection.

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.



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PROPERTIES

Color	Visual	Purple
Density at 20°C (68°F)	ASTM D1122	g/mL 1.058
pH	ASTM D1287	9.4

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STANDARDS	
CATERPILLAR	all MWM TCG and Caterpillar CG gas engines
MIL STANDARD	MIL-A-53009A
WÄRTSILÄ	engine types 175SG, 220SG, 25SG, 28SG, 31SG, 34SG, 50SG, 20DF, 31DF, 32DF, 34DF, 46DF and 50DF with natural gas as main fuel
OEM PERFORMANCES	
CATERPILLAR	GCM34, MAK
DAIMLER	DTFR 29B100 (former MB 312.00)
DETROIT DIESEL	DFS93K217
Innio Jenbacher	TA 1000-0200
LIEBHERR	MD1-36-130
MAN	248, D36 5600
MTU	MTL 5049
MWM	0199-99-2091/12
VW	SEMT Pielstick
WÄRTSILÄ	New Sulzer Diesel TR 1508 - 10/94, SACM Diesel DLP799861
PRODUCTS	
MAN Energy Solutions	CW 28 33, CW nitrite free
Rolls Royce Bergen	2.13.01

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