



MOTUL HD COOL ORA ULTRA



High performance engine coolant concentrate
High performance engine coolant concentrate
Concentrated Cooling Fluid

TYPE OF USE

HD COOL ORA ULTRA is a high-performance coolant concentrate providing corrosion protection by interacting with the metal surfaces where needed (engine blocks, cylinder heads, liners, water pumps and radiators).

HD COOL ORA ULTRA contains organic additives (OAT – Organic Acid Technology) for extended drain intervals.

Also available as a 50:50 mix called **HD COOL ORA**.

PERFORMANCES

HD COOL ORA ULTRA is strongly recommended for all cooling systems of heavy duty, construction, mining, agriculture vehicles and equipment, gardening, ships, stationary engines, ...

RECOMMENDATIONS

- Must be used diluted in water. For better results, use demineralized water.
- To maintain anti-corrosion properties, do not dilute below 33%. Refer to chart for dilution rates.
- To be used for top-up or complete renewal of the cooling circuit for improved efficiency.
- Drain intervals: Refer to the manufacturers' recommendation.
- Attention, control or drain the coolant only when the engine is cold.
- Can be mixed with ethylene glycol-based coolants.
- Avoid mixing with other products for maximum performance.
- This product should not be used to protect drinking water systems from freezing.

PROPERTIES

Color	Visual	Orange Fluo
Density at 20°C (68°F)	ASTM D5931	g/mL 1.114

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.

MOTUL - 119 Bd Félix Faure - 93303 - Aubervilliers Cedex - BP 94 - FRANCE - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - www.motul.com

motul.com



MOTUL HD COOL ORA ULTRA



High performance engine coolant concentrate
High performance engine coolant concentrate
Concentrated Cooling Fluid

pH	ASTM D1287	9.1
Initial crystallization	ASTM D1177	-37.0 °C / -35.0 °F
Freezing protection		-37.0 °C / -35.0 °F
Boiling point	ASTM D1120	177.0 °C / 351.0 °F

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.

MOTUL - 119 Bd Félix Faure - 93303 - Aubervilliers Cedex - BP 94 - FRANCE - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - www.motul.com



High performance engine coolant concentrate
High performance engine coolant concentrate
Concentrated Cooling Fluid

STANDARDS	
ASTM STANDARD	D3306 / D4985 / D6210
BRITISH STANDARD	BS 6580
JAPANESE STANDARD	JIS K2234
KOREAN STANDARD	KSM 2142
NATO	STANDARD: S-759
NFR Standards	NFR 15-601
SAE	J1034
UNE STANDARD	26-361-88/1
OEM PERFORMANCES	
CUMMINS	CES 14439, CES 14603, IS series & N14
DAF	74002
DETROIT DIESEL	DFS93K217
DEUTZ	DQC CB-14, 0199-99-2091 / 12
FENDT	
Innio Jenbacher	TA 1000-0201
ISUZU	
JOHN DEERE	JDM H5
KOBELCO	
KOMATSU	07.982 (2009)
LEYLAND	DW03245403
LIEBHERR	MD1-36-130
MACK	014 GS 17009
MAN	324 typ SNF
MAN B&W	A/S, AG D36 5600
MERCEDES-BENZ	MB 325.3
MITSUBISHI	MHI
MTU	MTL 5048
MWM	0199-99-2091 / 12
RENAULT	41-01-001/--S Type D
VAN HOOL	
VOLVO	Construction, Penta, Trucks
WÄRTSILÄ	32-9011
WAUKESHA	
YANMAR	
PRODUCTS	
ADE	
Bergen Engines	2.13.01
Case New Holland	MAT 3624

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.



MOTUL HD COOL ORA ULTRA



High performance engine coolant concentrate
High performance engine coolant concentrate
Concentrated Cooling Fluid

JALOS	M325
MAK	
SACM DIESEL	DLP799861
Semt Pielstick	