



# RM Engine Coolant OATCOOL Premixed

Red

Previously known as Coolant OATCOOL 50 Red

## Description

**RoadMaster (RM) Engine Coolant OATCOOL Premixed – Red** is an ethylene glycol based long life engine coolant containing Organic Acid Technology (OAT), RM Engine Coolant OATCOOL Premixed is prediluted to 50% v/v with demineralised water. It does not contain amines, nitrates, phosphates or silicates. RM Engine Coolant OATCOOL Premixed is suitable for both automotive and heavy-duty diesel engines.

## Applications

Due to its inhibitor functionality, RM Engine Coolant OATCOOL is suitable for use in a broad range of applications: passenger cars (petrol, hybrid & diesel), heavy duty Engines (on-road & off-road), marine, locomotive engines, stationary generators and mining and agricultural equipment. RM Engine Coolant OATCOOL can be used as a Dexcool™ replacement in GM/Holden vehicles which use coolant conforming to specification GM6277M (coloured orange). RM Engine Coolant OATCOOL is an all-purpose long life OAT coolant which can be used in the following makes of automotive passenger cars: Ford, GM, Holden, Toyota, Honda, Hyundai, Kia, Mazda, Mitsubishi, Peugeot, Proton, Renault, SAAB, Subaru, Suzuki, SsangYong, Tata, VW, Volvo, Audi, BMW and Mercedes.

## Features & Benefits

RM Engine Coolant OATCOOL can be used in heavy duty applications to protect wet cylinder liners from cavitation's even though it does not contain nitrite/molybdate inhibitors typically associated with wet cylinder liner protection. It significantly increases the operating life of water pumps and exceeds the corrosion performance levels required to meet Australian Standards AS2108.1-2004 and numerous performance specification of OEM's including Ford and GMH. This coolant has been independently verified to all relevant ASTM's for automotive and heavy-duty diesel use. Provides maximum protection against 'hot spot' corrosion, common in aluminium cylinder heads.

## Specifications

Properties	Method	Result
Appearance	Visual	Red Liquid
pH (50/50, vol/vol)	-	7.7 – 8.6
Glycol by Weight (gm/L)	-	1.0035
Density kg/L (Concentrate)	-	1.1103
Freezing Point (50% by vol)	-	-36.2°C
Boiling Point (50% by vol)	-	108.2°C
Reserve Alkalinity (mL)	-	4.4

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## Specifications Continued

Properties	Method	Results
Hazard Class	-	Hazardous Substance
DG Class	-	Non-Dangerous Goods
Glassware Corrosion Test	ASTM D1384	Pass
Aluminium Corrosion Test	ASTM D4340	Pass
Water Pump Cavitation Test	ASTM D2809	Pass
Foaming Tendencies Test	ASTM D1881	Pass
Cummins Anti Scale Test	Per AES 14603	Pass

## Metal Specifications

Metal	Allowable Weight Loss	Typical Weight Loss
Copper	10mg / coupon	0.00
Solder	30mg / coupon	0.05
Brass	10mg / coupon	0.01
Steel	10mg / coupon	0.00
Cast Iron	10mg / coupon	0.03
Aluminium	30mg / coupon	0.14
<b>ASTM D4340 – Aluminium Heat Rejection Test</b>		
Allowable Weight Loss	1.0 / cm <sup>2</sup> / week	-0.01
<b>ASTM D 2809 – Cavitation Erosion Corrosion</b>		
Rating (minimum)	8	8

## Performance Levels

RM Engine Coolant OATCOOL is recommended in vehicles where the following performance levels are required.

### Passenger Cars

AS 2108.1 : 204 Type A	Daewoo – Ethylene Glycol Coolant	Lexus Toyota – Super LL Coolant
AFNOR NFR 15-601	Daihatsu – Ethylene Glycol Coolant	Mazda – Ethylene Glycol Coolant
ASTM D3306, D4656, D4985	Dodge – Mopar HOAT	Mazda FL22
BS6580	Fiat – Parafllu UP	Mercedes Benz 325.0, 326.0
Castrol Antifreeze NF	Ford – ESE-M97B44, WSS-M97B51	Mitsubishi – Long life Coolant



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## Passenger Cars Continued

Caltex CX Engine Coolant	Holden GM6277M, GM1899M, HN1897, HN2043, HN2217	Nissan – EG Long Life Coolant
GM 1825M	Honda	Peugeot – procor 2000 Glysantin G33
GM 1899M	Hyundai – Ethylene Glycol Coolant	Porsche 000 043 203 78
Alfa Romeo – Paraflu UP	Jaguar – WSS-M97B44-A	Renault EG Long Life Coolant D
Auto Skoda VW – G12 G13	Kia – Ethylene Glycol Coolant	Subaru – Super Long Life Coolant
BMW	Land Rover – Ethylene Glycol Coolant	Suzuki – Ethylene Glycol Coolant
Citroen 9979.70 / 71 / 72		Volvo

## Medium and Diesel Vehicles

AFNOR NFR 15-601	Freightliner Fleet Charger Powercool	Mack VCS Coolant
ASTM D3306	FUSO SAE J814-C	Mercedes Benz Spec. 325.0
ASTM D4656	Hino Genuine LL Coolant	Mercedes Benz 325.5
ASTM D4985	Isuzu (GM6277M & HN2217)	Mitsubishi FUSO Genuine Diesel LL Coolant
BS 6580	IVECO Paraflu 11	Saab Scania 6901
Caterpillar ELC	IVECO GM6038M	SAE J 1034 & JASO M 324
Caterpillar 1 EO 535	IVECO AC9-50	Toyota K2601G – 1G
Cummins 3666132	Japanese JIS K 2234	UD Long Life Coolant (Nissan)
Cummins CES 14603	Jenbacher	Volvo VCS
DAF 742002	Kenworth ALLCool	Waukesha 4-1974D
DAF BTPS 606A	Komatsu 07.892	Western Star ASTM D6210
DAF DCEA 615	Liebherr MD 1-36-130	
Dennis Eagle Fleetguard	MAN 324 SNF / 248	
Meets the phosphate-free requirements of European manufacturers		
Meets the silicate-free requirements of Japanese manufacturers		

Master Item# 2921

Pack Size Availability: 5L, 20L, 200L, IBC=1000L

Last Updated: 6<sup>th</sup> November 2024  
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