

Motosel HEAVY DUTY RED CONCENTRATE

EXTENDED LIFE ANTIFREEZE & COOLANT

MOTOSEL Heavy Duty Concentrate Antifreeze & Coolant

Used as directed, offers superior performance in virtually every light and heavy duty application. The proprietary inhibitor package is low silicate and phosphate and 2-EH free. Can be used as a top-off but to achieve maximum protection a complete flush and fill should be performed. Motosel Heavy Duty Antifreeze provides protection against:

- Freeze-up/Boil Over
- Sludge/Clogging
- Rusting
- Scale Build Up
- Wet Sleeve Liner Pitting
- Corrosion

Specifications

Motosel Heavy Duty Concentrate Antifreeze is blended with proprietary additives designed to safely meet the performance specifications of (but not limited to):

- ASTM D-3306
- Ford WSS-M97B51
- GM 1899M
- Caterpillar EC-1
- Cummins Engine
- International
- Volvo Trucks
- Freightliner
- Mercedes
- Navistar
- ASTM D-6210
- GM 1825M
- Chrysler MS 7170
- Detroit Diesel
- John Deere
- Case New Holland
- GE Locomotive
- Ford ESE-M97B44-A
- Komatsu
- TMC RP329

Advantages

- Meets Light Duty ASTM D-3306 and Heavy Duty ASTM D-6210
- One product for Light Duty and Heavy Duty applications.
- Perfect choice for mixed fleets. No need to add SCA's.
- Safe for use with all engine metals, including aluminum.
- Phosphate free and low silicate - suitable for European and Asian models.
- Light Duty - 5 years/150,000 miles
- Heavy Duty - 3 years/300,000 miles.
- Compatible with hybrid and OAT coolants - including Dexcool™
- For safety purposes all Motosel antifreeze is blended with a bittering agent.



TYPICAL PROPERTIES

DESCRIPTION	TYPICAL VALUES	TEST METHOD
Appearance	Visual	Orange/Red
Specific Gravity at 60/60°F	1.085-1.150	D 1122
Freeze Point, at 50% max	-34°F	D-3321
pH at 50% Solution	8.5-10.0	D-1287
Reserve Alaklinity min.	6	D-1121
Foam Test	150ml/5 sec	D-1881

FREEZE/BOIL PROTECTION CHART USING A 15PSI PRESSURE CAP	% OF COOLING SYSTEM CAPACITY	PROTECTS FROM	
		FREEZING DOWN TO	BOILING UP TO*
40	-10 °F	259 °F	
50	-34 °F	265 °F	
60	-62 °F	270 °F	

Test Method ASTM - Typical test data are average values only. Minor variations, which do not affect performance, may occur.

COOLING SYSTEM CAPACITY IN QUARTS	QUARTS OF ANTIFREEZE REQUIRED FOR PROTECTION TO TEMPERATURE (°F) SHOWN										
	3	4	5	6	7	8	9	10	11		
8	-7	-34									
9	0	-21	-50								
10	4	-12	-34	-62							
11	8	-6	-23	-47							
12	10	0	-15	-34	-57						
13		3	-9	-25	-45						
14			6	-5	-18	-34	-54				
15			8	0	-12	-26	-43	-62			
16			10	2	-8	-19	-34	-52			
17				5	-4	-14	-27	-42	-58		
18				7	0	-10	-21	-34	-50	-62	
19				9	2	-7	-16	-28	-42	-56	
20				10	4	-3	-12	-22	-34	-48	

FOR BEST OVERALL PROTECTION, SOLUTION STRENGTHS WITHIN THE YELLOW COLOR BAND ARE RECOMMENDED.

HANDLING AND SAFETY INFORMATION - Refer to MOTOSSEL (SDS) Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.

