

# iLAST™ EXTENDED LIFE

## Heavy Duty Red Antifreeze/Coolant Concentrate

iLAST Heavy Duty Red Antifreeze Concentrate, when used as directed, offers superior performance in heavy-duty applications that require extended-life coolants (ELC). It can be used as a top-off, but to achieve maximum protection, a complete flush and fill should be performed. It is the perfect protection choice for heavy-duty and mixed fleet applications. No additional SCA's are needed. iLast Heavy Duty Red Antifreeze provides protection against:

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

### 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.
- Phosphate free and low silicate - the choice for Japanese and Korean 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 iLAST antifreeze is blended with a bittering agent.

### Specifications

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

- ASTM D-3306
- Caterpillar EC-1
- Volvo Trucks
- Navistar
- ASTM D-6210
- Detroit Diesel
- GE Locomotive
- TMC RP-329
- Ford WSS-M97B51
- Cummins Engine
- Freightliner
- GM 1825M
- John Deere
- Ford ESE-M97B44-A
- GM 1899M
- International
- Mercedes
- Chrysler MS 7170
- Case New Holland
- Komatsu



V251121

## TYPICAL PROPERTIES

DESCRIPTION	TYPICAL VALUES	TEST METHOD
Appearance	Visual	Red/Orange
Specific Gravity at 60/60°F	1.085 - 1.150	ASTM D1122
Freeze Point, at 50% max	-34°F	ASTM D3321
pH at 50% Solution	8.5 - 10.0	ASTM D1287
Reserve Alkalinity min.	6	ASTM D1121
Foam volume (ml)	150ml/5 sec	ASTM D1881

Available in Gallons, Drums, Totes, and Bulk.

FREEZE/BOIL PROTECTION CHART	% of Cooling System capacity	PROTECTS FROM	
		Freezing Down to	Boiling Up to*
	40	-10 °F	259 °F
Using a 15 PSI Pressure Cap	50	-34 °F	265 °F
	60	-62 °F	270 °F

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.

50% SOLUTION RECOMMENDED TO OBTAIN MAXIMUM PROTECTION. DO NOT EXCEED 70% CONCENTRATION OF ANTIFREEZE.