

# iLAST™ EXTENDED LIFE

## NAPS Free HD Red Antifreeze/Coolant Concentrate

**iLAST HEAVY DUTY FLEET - NAPS FREE ANTIFREEZE / COOLANT CONCENTRATE** designed to provide protection for up to 6 years or 750,000 on-highway miles in heavy duty diesel, gasoline and natural gas powered engines found in marine, farm, mining, and construction equipment. It is fully compatible with other OAT extended life coolants as long as they meet ASTM Standards. No SCA's or chemical filters are needed, an added cost savings for end-users. It provides protection against:

- Freeze-up/Boil Over
- Rust and Corrosion
- Reduced Toxicity
- Lower system pressure
- Prevents overheating
- Reduces Sludge/Clogging

### Advantages

- Nitrite, Amine, Phosphate, Molybdate and Silicate free
- Provides maximum protection against rust and corrosion
- Meets a wide range of OEM requirements including European and Asian
- Eliminates the drop out, gel, and scale
- 6 years or 750,000 on-highway miles
- For safety purposes all iLAST antifreeze is blended with a bittering agent

### Specifications

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

- ASTM 6210
- ASTM 3306
- TMC RP 329
- US Military A-A 52624-A

It provides outstanding performance in many applications including: Case New Holland, Caterpillar, Chrysler, Cummins, Detroit Diesel, Ford, Freightliner, GM Dex-Cool, GMC Truck, International Truck, John Deere, Kenworth, Mack Trucks, Navistar, Paccar, Peterbilt, Thermo-King, and Volvo



V251121

## TYPICAL PROPERTIES

DESCRIPTION	TYPICAL VALUES	TEST METHOD
Appearance	Visual	Red
Specific Gravity at 60/60°F	1.231	ASTM D1122
Freeze Point, at 50% max	-34°F	ASTM D3321
pH at 50% Solution	8.3 - 10.0	ASTM D1287
Reserve Alkalinity min.	5.5	ASTM D1121
Foam volume (ml)	80ml / 2.0 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.