PRODUCT SPECIFICATION			Ha	ll-Chem	
Super Dies	el Heavy Dut TYPI	y Long Lif E RA 295	e 50/50 An	tifreeze	
	Number of revisions: 1				
		Date of	l last revis	10n: January 24, 2008	
Fechnical Information:					
Physical state : Liquid					
Appearance: Viscous, Pink color Application: Long Life Antifreeze/Coolant For Heavy Duty Motors			Code RA 295 CAS-№: N/A		
ready to use and is "precharged" createrhylene glycol antifreeze/coolant for 1 of long-lasting inhibitors is designed to including aluminum, for five years, or is used as directed. By adding NAO cooling system will be protect up to 96: Heavy duty long life coolant /antifree ASTM D3306/4985, ASTM D6210, (Section 2.3-4.5inc.), Detroit diesel J1942, Navistar, Volvo, PACCARD, I hot surface aluminum protection require Cummins heavy duty low silicate Texaco® and Caterpillar® extended NAOT coolants and as will Dex-cool® and other "orange" coolants.	ting a high quality heavy duty use. Its o protect all engin 600000 km(10000 T extender after 6 5000 km (12000 h eze exceeds the rr TMC RP329, Ca 7SE298, SAE J1 Mack, Freightliner hirements of AST requirements. Co life and other "s b, Havoline ® XL0	y extended life s special blend ac components, 0 hours), when 500000 km the iours). equirements of aterpillar EC-1 034 and SAE t, satisfies both M D4340 and mpatible with trawberry-red" C extended life	D2A, D2F		
Indices	Test	Limit		Typical	
	Method	Va	lues	Values	
Specific Gravity @60°F	D-1122	1.055-1.072		1.060	
Freezing Point : F° (C°)	D-1177	-34°F (-3	7°C) Max	34°F (-37°C)	
Boiling Point A $F^{\circ}(C^{\circ})$	D-1120	226°F (1	08°C)Min	226°F (108°C)	
Effect: Automotive Finish	D-1882	No Effect		No Effect	
	D 1110	50/	M	0.5%	

pH:	D-1287	8.5 - 10.5	9.5			
Water, Mass %/	D-1123	48% Max	47%			
Reserve Alkalinity, ml	D-1121	Report B	1.5-4.5			
Corrosion in Glassware						
Weight Loss,	D-1384					
mg/specimen						
Copper		10 Max	0			
Solder		30 Max	2			
Brass		10 Max	0			
Steel		10 Max	0			
Cast Iron		10 Max	0			
Aluminum		30 Max	0			
Simulated Service						
Weight Loss,	D-2570					
mg/specimen						
Copper		20 Max	1			
Solder		60 Max	2			
Brass		20 Max	1			
Steel		20 Max	1			
Cast Iron		20 Max	1			
Aluminum		60 Max	10			
Corrosion of Cast Aluminum						
Alloys at Heat Rejecting Surfaces	D-4340C	1.0 Max	0.45			
mg/cm2/week						
Foaming Volume, ml	D-1881	150Max	50ml			
Break Time, seconds	D 1001	5 Max	1.2 sec.			
Pitting, Cavitation or Erosion of	D-2809	8 Max	<8			
A Source provinitate many hereber	d at the and af t					
^B A gread value between supplier on	$c = \frac{1}{c}$	This test is not required by	ASTM D 4085; however			
ASTM D 3306 requires it	a customer.	This test is not required by A	AS I W D-4983, nowever,			
Decking:						
1 aCAIIIS.	* Plastic Containers (of 4 I 3 7 I and 18 9 I				
These data are based on our current knowledge, exp	perience and technical e	quipment. They do not relieve customers	of carrying out their own tests and			
xperiments, due to the great diversity of possible effect roperties and applications. The recipients of our produ	s in processing and appl cts ought to abide by th	lication of our products. They do not imp ne existing legislation and regulations as	ly any legally binding assurances of certain well as possible reserved rights			
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