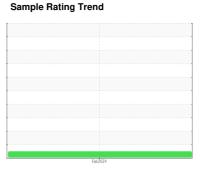


COOLANT REPORT

Findlay [Findlay] Coolant - Port Main Engine (Aftercooler)

Component Coolant

CATERPILLAR ELC (--- GAL)





Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service. (Customer Sample Comment: C.Kemper)

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

Carboxylate test failed. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

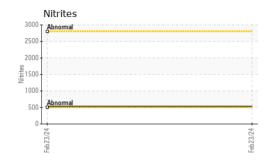
				Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0859881		
Sample Date		Client Info		23 Feb 2024		
Machine Age	hrs	Client Info		12040		
Oil Age	hrs	Client Info		12040		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
Glycol Type		FT-IR				
Specific Gravity		*ASTM D1298		1.060		
рН	Scale 0-14	ASTM D1287		7.86		
Nitrites	ppm	AP-053:2009		524		
Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Percentage Glycol	%	ASTM D3321		44.7		
Freezing Point	°F	ASTM D3321		-21		
Total Dissolved Solids				281.5		
Carboxylate				fail		
CORROSION INHI	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	11		
Phosphorus	ppm	ASTM D6130	0	0		
Boron	ppm	ASTM D6130	0	0		
Molybdenum			0 = 0			
000000000	ppm	ASTM D6130	950	481		
CORROSION	ppm	ASTM D6130 method	limit/base	481 current	history1	history2
	ppm					history2
Iron		method	limit/base	current	history1	
lron Aluminum	ppm	method ASTM D6130	limit/base	current	history1	
Iron Aluminum Copper	ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130	limit/base >15 >10	current 3 0	history1	
Iron Aluminum Copper Lead	ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130	limit/base >15 >10 >10	current 3 0 <1	history1 	
Iron Aluminum Copper Lead Tin	ppm ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130	limit/base >15 >10 >10 >10	current 3 0 <1 <1	history1 	
Iron Aluminum Copper Lead Tin	ppm ppm ppm ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130	limit/base >15 >10 >10 >10	current 3 0 <1 <1 0	history1	
Iron Aluminum Copper Lead Tin Zinc	ppm ppm ppm ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130	limit/base >15 >10 >10 >10 >10 >10	current 3 0 <1 <1 0 0	history1	
Iron Aluminum Copper Lead Tin Zinc	ppm ppm ppm ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 method	limit/base >15 >10 >10 >10 >10 >10	current 3 0 <1 <1 0 current	history1 history1	 history2
Iron Aluminum Copper Lead Tin Zinc CONTAMINANTS Chlorine CARRIER SALTS	ppm ppm ppm ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130	limit/base >15 >10 >10 >10 >10 >10 limit/base	current 3 0 <1 <1 0 current 11	history1 history1	 history2
Iron Aluminum Copper Lead Tin Zinc CONTAMINANTS Chlorine CARRIER SALTS Sodium	ppm ppm ppm ppm ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130	limit/base >15 >10 >10 >10 >10 >10 limit/base	current 3 0 <1 <1 0 current 11 current	history1 history1 history1	history2
Iron Aluminum Copper Lead Tin Zinc CONTAMINANTS Chlorine	ppm ppm ppm ppm ppm ppm	method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130 ASTM D6130	limit/base >15 >10 >10 >10 >10 >10 limit/base	current 3 0 <1 <1 0 current 11 current 3269	history1 history1 history1	history2

ppm ASTM D6130

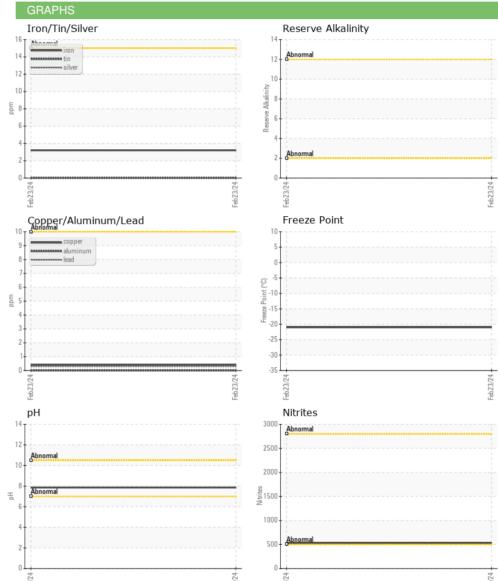
Magnesium



COOLANT REPORT











Laboratory Sample No.

Lab Number : 06122869

Unique Number : 10937020

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0859881 Received : 19 Mar 2024

Tested : 22 Mar 2024 Diagnosed : 22 Mar 2024 - Jonathan Hester MARATHON PETROLEUM CO.

101 12TH ST CATLETTSBURG, KY US 41169

Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF) Contact: SHAWN MCCLASKEY To discuss this sample report, contact Customer Service at 1-800-237-1369. stmcclaskey@marathonpetroleum.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (606)739-2416 F: x: