

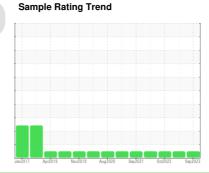




KANSAS/44/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.99L [KANSAS^44^EG - TRUCK-OFF-HWY-HEAVY HAUL]

Coolant

EXTENDED LIFE COOLANT (--- GAL)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

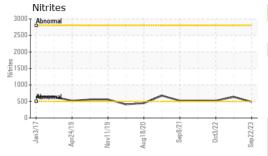
Coolant Condition

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

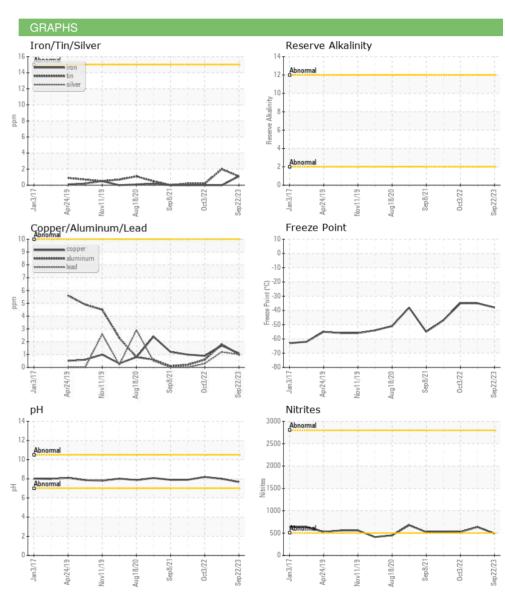
Sample Number Client Info WC0781179 WC0779886 WC0673481	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Machine Age hrs Client Info 8009 7602 7389 Oil Age hrs Client Info 8009 7602 7389 Oil Changed Client Info Not Changd Not Botton 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.0	Sample Number		Client Info		WC0781179	WC0779886	WC0673481	
Oil Age hrs Client Info 8009 7602 7389 Oil Changed Client Info Not Changd Not Based Asset Carb Asset Carb <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>22 Sep 2023</th> <th>27 Feb 2023</th> <th>03 Oct 2022</th>	Sample Date		Client Info		22 Sep 2023	27 Feb 2023	03 Oct 2022	
Oil Changed Sample Status Client Info Sample Status Not Changd NORMAL NORMAL Not Changd NORMAL NORMAL Not Changd NoRMAL 1.068 2.068 2.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068 1.068	Machine Age	hrs	Client Info		8009	7602	7389	
Sample Status	Oil Age	hrs	Client Info		8009	7602	7389	
PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd	
Specific Gravity	Sample Status				NORMAL	NORMAL	NORMAL	
pH Scale 0-14 ASTM D1287 7.67 8.00 8.19 Nitrites ppm AP-053-2009 488 636 524 Reserve Alkalinity Scale 0-20 "ASTM D321 Percentage Glycol % ASTM D3321 51.2 50.8 50.7 Freezing Point °F ASTM D3321 -38 -35 -35 35 Total Dissolved Solids 363.5 299.0 322.0 322.0 322.0 322.0 Carboxylate fail pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 17 44 24 Phosphorus ppm ASTM D6130 12 15 3 Boron ppm ASTM D6130 12 15 3 Molybdenum ppm ASTM D6130 558 1200 1162 CORROSION method limit/base curre	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2	
Nitrites	Specific Gravity		*ASTM D1298		1.069	1.068	1.068	
Reserve Alkalinity Scale 0.20	рН	Scale 0-14	ASTM D1287		7.67	8.00	8.19	
Percentage Glycol % ASTM D3321 51.2 50.8 50.7	Nitrites	ppm	AP-053:2009		488	636	524	
Freezing Point	Reserve Alkalinity	Scale 0-20	*ASTM D1121					
Total Dissolved Solids 363.5 299.0 322.0 Carboxylate fail pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 17 44 24 Phosphorus ppm ASTM D6130 12 15 3 Boron ppm ASTM D6130 12 15 3 Molybdenum ppm ASTM D6130 558 1200 1162 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 1 0 0 Aluminum ppm ASTM D6130 >10 1 2 <1 Copper ppm ASTM D6130 >10 1 2 <1 Lead ppm ASTM D6130 >10 1 2 <1 Tin ppm ASTM D6130 <1 1 <1	Percentage Glycol	%	ASTM D3321		51.2	50.8	50.7	
Carboxylate fail pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 17 44 24 Phosphorus ppm ASTM D6130 -<1 1 0 Boron ppm ASTM D6130 12 15 3 Molybdenum ppm ASTM D6130 558 1200 1162 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 1 0 0 Aluminum ppm ASTM D6130 >10 1 2 <1 Copper ppm ASTM D6130 >10 1 2 <1 Lead ppm ASTM D6130 >10 1 2 <1 Zinc ppm ASTM D6130 <1 1 <1 <1 CONTAMINANTS method limit/base <th>Freezing Point</th> <th>°F</th> <th>ASTM D3321</th> <th></th> <th>-38</th> <th>-35</th> <th>-35</th>	Freezing Point	°F	ASTM D3321		-38	-35	-35	
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 17 44 24 Phosphorus ppm ASTM D6130 -<1 1 0 Boron ppm ASTM D6130 12 15 3 Molybdenum ppm ASTM D6130 558 1200 1162 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 1 0 0 Aluminum ppm ASTM D6130 >10 1 2 <1 Copper ppm ASTM D6130 >10 1 2 <1 Lead ppm ASTM D6130 >10 1 2 <1 Zinc ppm ASTM D6130 >10 1 2 <1 CONTAMINANTS method limit/base current history1 history2 Colium	Total Dissolved Solids				363.5	299.0	322.0	
Silicon ppm ASTM D6130 17 44 24 Phosphorus ppm ASTM D6130 <1 1 0 Boron ppm ASTM D6130 12 15 3 Molybdenum ppm ASTM D6130 558 1200 1162 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 1 0 0 Aluminum ppm ASTM D6130 >10 1 2 <1 Copper ppm ASTM D6130 >10 1 2 <1 Lead ppm ASTM D6130 >10 1 2 <1 Tin ppm ASTM D6130 >10 1 2 <1 Zinc ppm ASTM D6130 <1 1 <1 <1 CONTAMINANTS method limit/base current history1 history2 Sodium <th>Carboxylate</th> <th></th> <th></th> <th></th> <th>fail</th> <th>pass</th> <th>pass</th>	Carboxylate				fail	pass	pass	
Phosphorus ppm ASTM D6130 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2	
Boron ppm ASTM D6130 12 15 3 Molybdenum ppm ASTM D6130 558 1200 1162	Silicon	ppm	ASTM D6130		17	44	24	
Molybdenum ppm ASTM D6130 558 1200 1162 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 1 0 0 Aluminum ppm ASTM D6130 >10 1 2 <1 Copper ppm ASTM D6130 >10 1 2 <1 Lead ppm ASTM D6130 >10 1 2 <1 Tin ppm ASTM D6130 >10 1 2 <1 Zinc ppm ASTM D6130 <1 1 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 58 8 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 177 138 75 <td colsp<="" th=""><th>Phosphorus</th><th>ppm</th><th>ASTM D6130</th><th></th><th><1</th><th>1</th><th>0</th></td>	<th>Phosphorus</th> <th>ppm</th> <th>ASTM D6130</th> <th></th> <th><1</th> <th>1</th> <th>0</th>	Phosphorus	ppm	ASTM D6130		<1	1	0
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 1 0 0 Aluminum ppm ASTM D6130 >10 1 2 <1 Copper ppm ASTM D6130 >10 1 2 <1 Lead ppm ASTM D6130 >10 1 1 <1 Tin ppm ASTM D6130 >10 1 2 <1 Zinc ppm ASTM D6130 <1 1 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 58 8 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 177 138 75 SCALE POTENTIAL method limit/base current history1 history2 <t< th=""><th>Boron</th><th>ppm</th><th>ASTM D6130</th><th></th><th>12</th><th>15</th><th>3</th></t<>	Boron	ppm	ASTM D6130		12	15	3	
Iron ppm ASTM D6130 >15 1 0 0 Aluminum ppm ASTM D6130 >10 1 2 <1	Molybdenum	ppm	ASTM D6130		558	1200	1162	
Aluminum ppm ASTM D6130 >10 1 2 <1	CORROSION		method	limit/base	current	history1	history2	
Copper ppm ASTM D6130 >10 1 2 <1	Iron	ppm	ASTM D6130	>15	1	0	0	
Lead ppm ASTM D6130 >10 1 1 <1	Aluminum	ppm	ASTM D6130	>10	1	2	<1	
Tin ppm ASTM D6130 billion >10 1 2 <1	Copper	ppm	ASTM D6130	>10	1	2	<1	
Zinc ppm ASTM D6130 <1	Lead	ppm	ASTM D6130	>10	1	1	<1	
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 58 8 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3607 6612 4984 Potassium ppm ASTM D6130 177 138 75 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 4 6 3	Tin	ppm	ASTM D6130	>10	1	2	<1	
Chlorine ppm ASTM D6130 18 58 8 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3607 6612 4984 Potassium ppm ASTM D6130 177 138 75 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 4 6 3	Zinc	ppm	ASTM D6130		<1	1	<1	
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3607 6612 4984 Potassium ppm ASTM D6130 177 138 75 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 4 6 3	CONTAMINANTS		method	limit/base	current	history1	history2	
Sodium ppm ASTM D6130 3607 6612 4984 Potassium ppm ASTM D6130 177 138 75 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 4 6 3	Chlorine	ppm	ASTM D6130		18	58	8	
Potassium ppm ASTM D6130 177 138 75 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 4 6 3	CARRIER SALTS		method	limit/base	current	history1	history2	
Potassium ppm ASTM D6130 177 138 75 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 4 6 3	Sodium	ppm	ASTM D6130		3607	6612	4984	
Calcium ppm ASTM D6130 4 6 3	Potassium		ASTM D6130			138	75	
	SCALE POTENTI	AL	method	limit/base	current	history1	history2	
	Calcium	ppm	ASTM D6130		4	6	3	
	Magnesium		ASTM D6130		3		3	



COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	Red
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					NCOF 3481
Bottom					







Laboratory Sample No. Lab Number

Unique Number : 10670445

: 05963894

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0781179 Received

: 28 Sep 2023 Diagnosed : 04 Oct 2023

Diagnostician : Jonathan Hester Test Package : COOL- (Additional Tests: COOL, ICP)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

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