

COOLANT REPORT

Sample Rating Trend



Machine Id

Coopersville CAT 5 CPVM05BE

Jacket Water Coolant

CHEVRON HEAVY DUTY PF COOLANT (100 GAL)

Recommendation

The fluid is suitable for further service.

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

Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

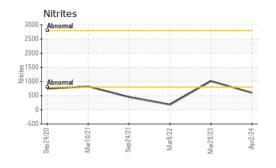
00 GAL)		osp2020	Wildizuzi Sepzuzi	Mar2U22 Mar2U23	Apr2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0871556	WC0765310	WC0661997
Sample Date		Client Info		02 Apr 2024	29 Mar 2023	09 Mar 2022
Machine Age	hrs	Client Info		16217	7667	93680
Oil Age	hrs	Client Info		0	0	8760
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Glycol Type		FT-IR				
Specific Gravity		*ASTM D1298		1.057	1.054	1.065
рН	Scale 0-14	ASTM D1287	10.5	8.65	9.76	7.92
Nitrites	ppm	AP-053:2009	>800	600	1012	184
Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Percentage Glycol	%	ASTM D3321	50	42.0	39.9	48.6
Freezing Point	°F	ASTM D3321	-37	-17	-11	-31
Total Dissolved Solids				161.0	212.0	238.0
Carboxylate				n/a	n/a	n/a
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	1000	71	154	40
Silicon Phosphorus	ppm	ASTM D6130 ASTM D6130		71 11	154 22	40 8
Phosphorus	ppm	ASTM D6130		11	22	8
Phosphorus Boron	ppm ppm	ASTM D6130 ASTM D6130		11 356	22 559	8 652
Phosphorus Boron Molybdenum	ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130	0	11 356 230	22 559 342	8 652 409
Phosphorus Boron Molybdenum CORROSION	ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method	0 limit/base	11 356 230 current	22 559 342 history1	8 652 409 history2
Phosphorus Boron Molybdenum CORROSION Iron	ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130	0 limit/base >15	11 356 230 current	22 559 342 history1 <1	8 652 409 history2
Phosphorus Boron Molybdenum CORROSION Iron Aluminum	ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130 ASTM D6130	0 limit/base >15 >10	11 356 230 current <1 <1	22 559 342 history1 <1 0	8 652 409 history2 15 <1
Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper	ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130 ASTM D6130 ASTM D6130	0 limit/base >15 >10 >10	11 356 230 current <1 <1 2	22 559 342 history1 <1 0	8 652 409 history2 15 <1
Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper Lead	ppm ppm ppm ppm ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130	0 limit/base >15 >10 >10 >10	11 356 230 current <1 <1 2	22 559 342 history1 <1 0 2 <1	8 652 409 history2 15 <1 1
Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper Lead Tin	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130 ASTM D6130	0 limit/base >15 >10 >10 >10	11 356 230 current <1 <1 2 <1 2	22 559 342 history1 <1 0 2 <1 0	8 652 409 history2 15 <1 1 0
Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper Lead Tin Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130	0 limit/base >15 >10 >10 >10 >10	11 356 230 current <1 <1 2 <1 <1 0	22 559 342 history1 <1 0 2 <1 0	8 652 409 history2 15 <1 1 0 0
Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper Lead Tin Zinc CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130	0 limit/base >15 >10 >10 >10 >10	11 356 230 current <1 <1 2 <1 <1 0 current	22 559 342 history1 <1 0 2 <1 0 0 history1	8 652 409 history2 15 <1 1 0 0 <1 history2
Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper Lead Tin Zinc CONTAMINANTS Chlorine	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130	0 limit/base >15 >10 >10 >10 >10 limit/base	11 356 230 current <1 <1 2 <1 <1 0 current	22 559 342 history1 <1 0 2 <1 0 0 history1 39	8 652 409 history2 15 <1 1 0 <1 history2 375
Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper Lead Tin Zinc CONTAMINANTS Chlorine CARRIER SALTS	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130 method ASTM D6130	0 limit/base >15 >10 >10 >10 >10 limit/base	11 356 230 current <1 <1 2 <1 <1 0 current 20 current	22 559 342 history1 <1 0 2 <1 0 0 history1 39	8 652 409 history2 15 <1 1 0 0 <1 history2 375 history2
Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper Lead Tin Zinc CONTAMINANTS Chlorine CARRIER SALTS Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D6130 ASTM D6130 ASTM D6130 method ASTM D6130 method ASTM D6130 ASTM D6130	0 limit/base >15 >10 >10 >10 >10 limit/base	11 356 230 current <1 <1 2 <1 <1 0 current 20 current 2236	22 559 342 history1 <1 0 2 <1 0 0 history1 39 history1 2991	8 652 409 history2 15 <1 1 0 0 <1 history2 375 history2 1848

Magnesium

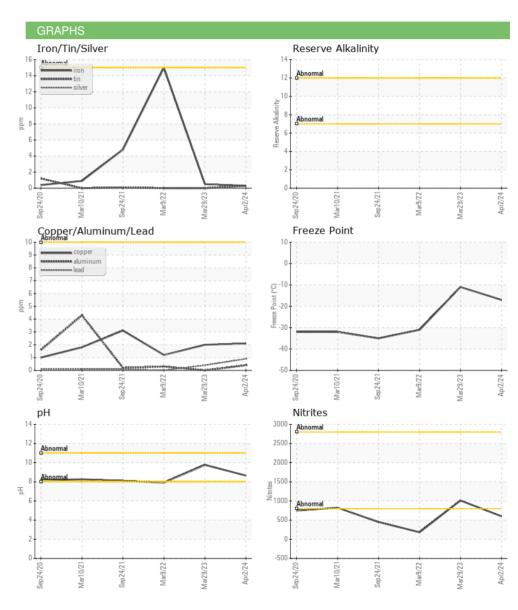
ppm ASTM D6130



COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual	Grn/Prpl	Orange	Pink	Red
Coolant Appearance	*Visual	Clear	normal	normal	hazy
Color					
Bottom					







Certificate 12367

Laboratory Sample No.

Lab Number : 06140415

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0871556

Received : 05 Apr 2024 **Tested** : 10 Apr 2024

EDL NA Recips-Coopersville Coopersville Powerstation, 15362 68th Avenue Coopersville, MI US 49404

Unique Number : 10965223 Diagnosed : 10 Apr 2024 - Jonathan Hester Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: Daniel Young daniel.young@edlenergy.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)

Report Id: EDLCOO [WUSCAR] 06140415 (Generated: 04/10/2024 11:11:05) Rev: 2

Submitted By: Chad Conroy

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