



CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
MICHAUDVILLE
Machine Id
55101
Component
Coolant
Fluid
DETROIT DIESEL POWER COOL (--- GAL)

RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0075912	PC0077609	PC0053178
Sample Date		Client Info		07 Jan 2024	16 Jul 2023	31 Jan 2022
Machine Age	hrs	Client Info		5266	4933	3878
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	2	4	1
Aluminum	ppm	ASTM D5185(m)	>10	3	0	8
Copper	ppm	ASTM D5185(m)	>10	0	4	2
Lead	ppm	ASTM D5185(m)	>10	0	6	<1
Tin	ppm	ASTM D5185(m)	>10	0	2	0
Silver	ppm	ASTM D5185(m)	>10	2	0	<1
Zinc	ppm	ASTM D5185(m)	>10	3	0	1

CONTAMINANTS

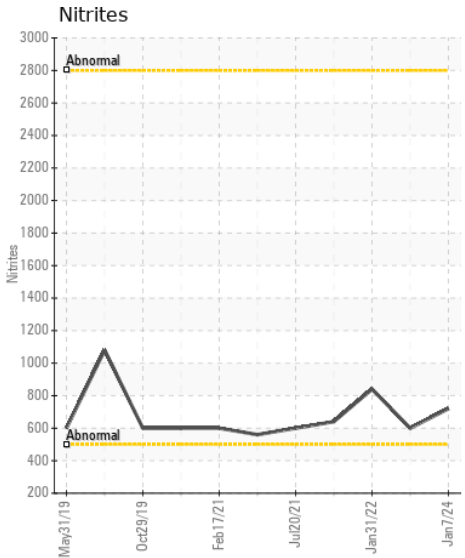
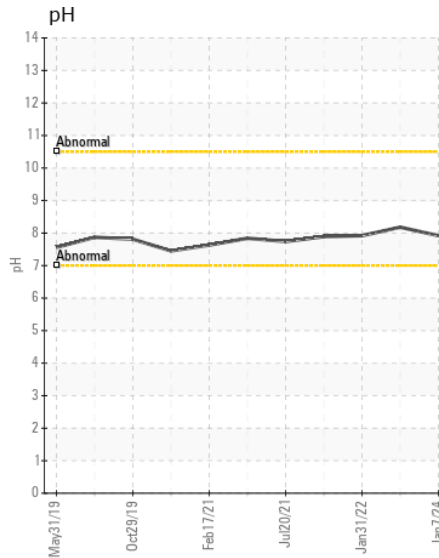
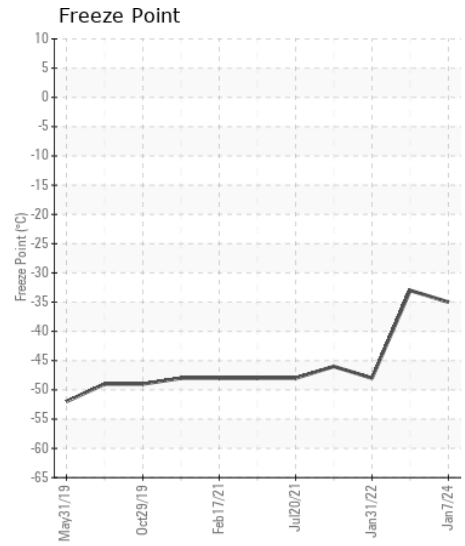
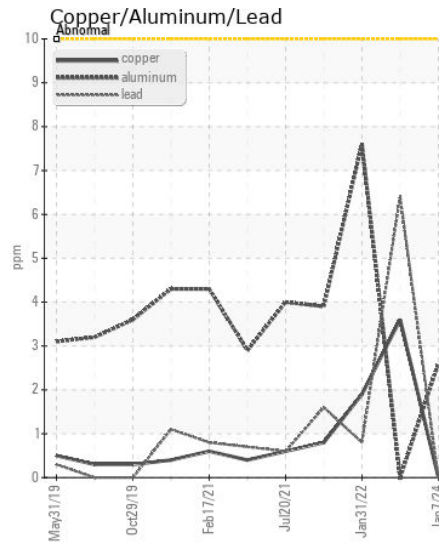
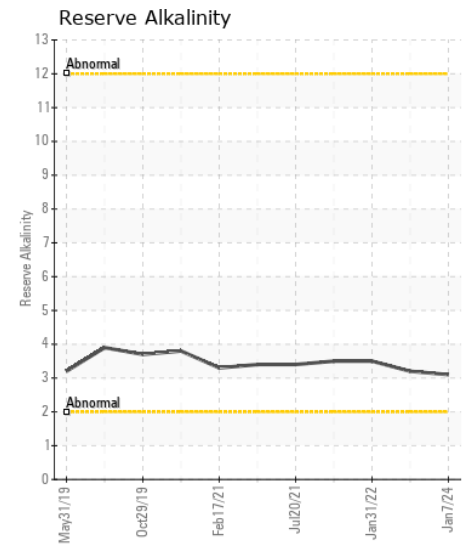
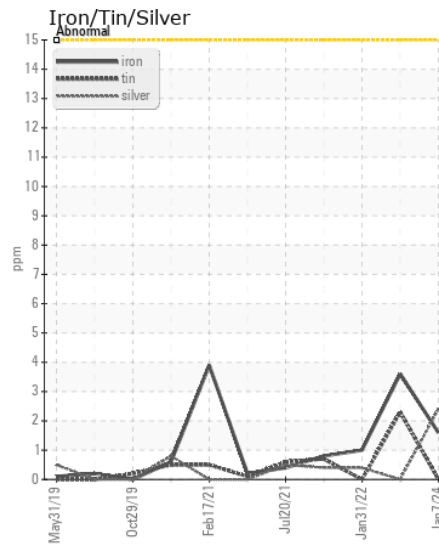
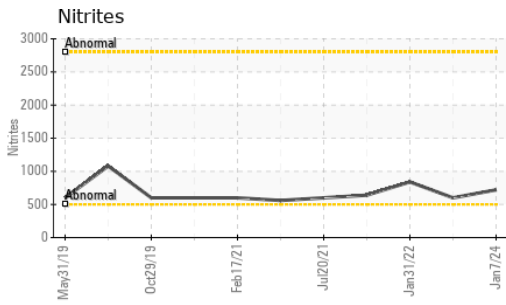
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	13	8	2
Magnesium	ppm	ASTM D5185(m)	>40	3	<1	1
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Clear	Clear

COOLANT CONDITION

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Specific Gravity		ASTM D1298*		1.068	1.067	1.076
pH	Scale 0-14	ASTM D1287*	9.5	7.92	8.18	7.92
Nitrites	ppm	Alcan Test Kit*	500	720	600	840
Reserve Alkalinity	Scale 0-20	ASTM D1121*		3.1	3.2	3.5
Percentage Glycol	%	ASTM D3321*	50	50.6	49.3	57.0
Freezing Point	°C	ASTM D3321*	-40	-35	-33	-48
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)	150	10	46	22
Phosphorus	ppm	ASTM D5185(m)	0	73	159	640
Boron	ppm	ASTM D5185(m)	300	25	227	167
Molybdenum	ppm	ASTM D5185(m)		352	28	198
Sodium	ppm	ASTM D5185(m)		2676	1121	2378
Potassium	ppm	ASTM D5185(m)		6007	1018	1478
Coolant Color		Visual*	Pink	Pink	Green	Green



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.
Sample No. : PC0075912 **Received** : 08 Jan 2024 270 RUE BRUNET
Lab Number : 02607328 **Diagnosed** : 10 Jan 2024 MONT ST-HILAIRE, QC
Unique Number : 5708414 **Diagnostician** : Kevin Marson CA J3H 0M6
Test Package : COOL

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

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