



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
[142229]
 Machine Id
HERCULES COMBER RESERVOIR
 Component
Coolant
 Fluid
CONVENTIONAL COOLANT (25 LTR)

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		WC0791166	WC0791178	WC0668144
Sample Date		Client Info		15 Feb 2024	08 May 2023	21 Mar 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	0	<1	2
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	2
Copper	ppm	ASTM D5185(m)	>10	7	8	6
Lead	ppm	ASTM D5185(m)	>10	2	7	▲ 27
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Silver	ppm	ASTM D5185(m)	>10	<1	0	2
Zinc	ppm	ASTM D5185(m)	>10	1	1	2

CONTAMINANTS

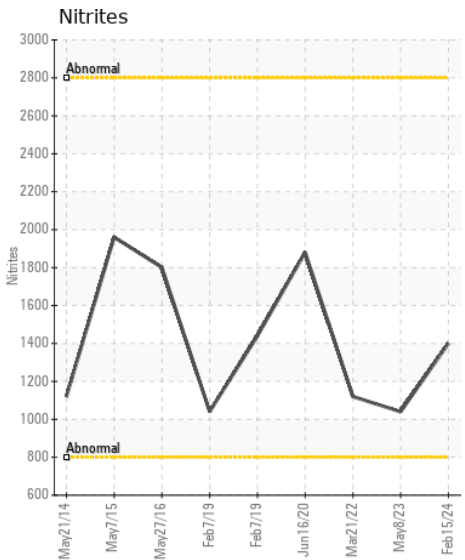
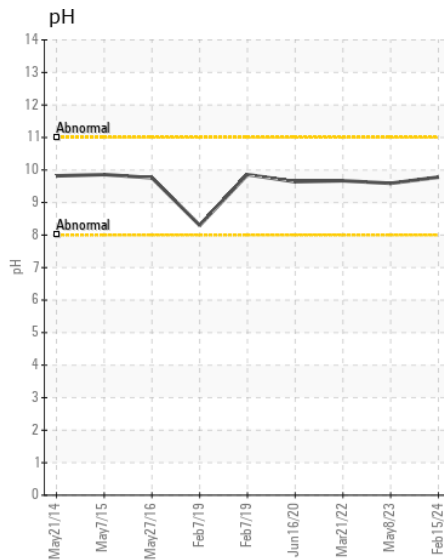
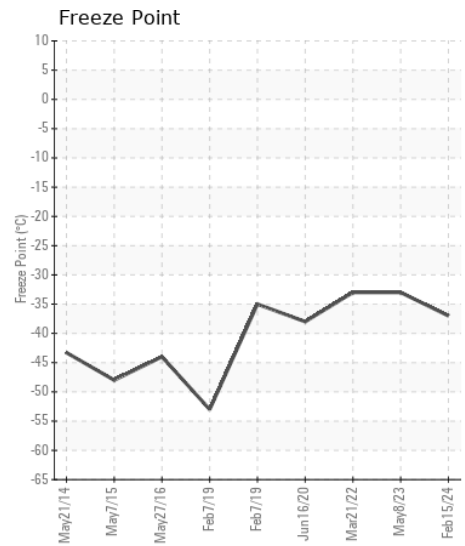
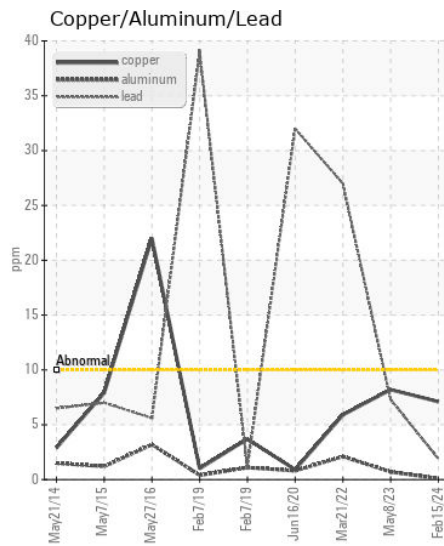
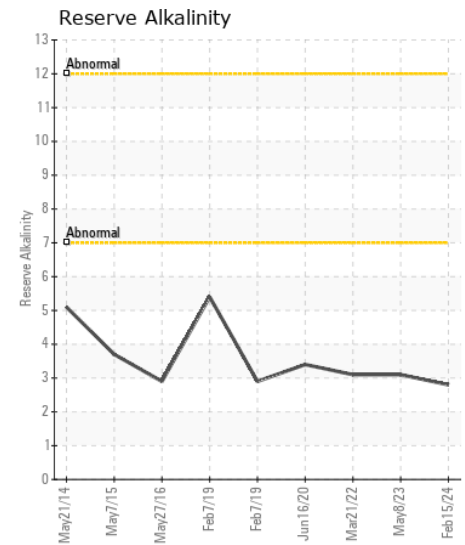
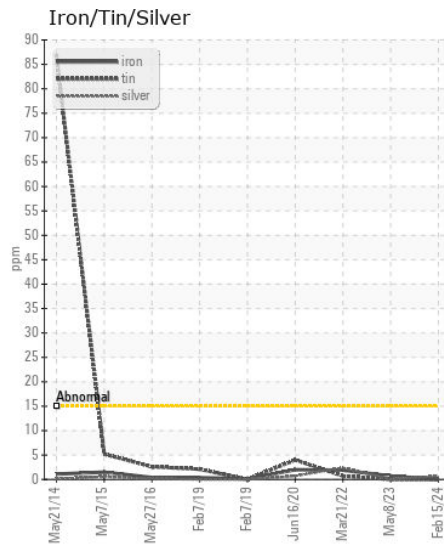
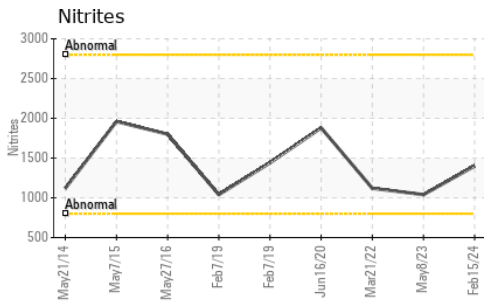
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	1	1	2
Magnesium	ppm	ASTM D5185(m)	>40	<1	<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.

Specific Gravity		ASTM D1298*		1.068	1.067	1.067
pH	Scale 0-14	ASTM D1287*	9.5	9.78	9.59	9.67
Nitrites	ppm	Alcan Test Kit*	1500	1400	1040	1120
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	2.8	3.1	3.1
Percentage Glycol	%	ASTM D3321*	50	50.7	49.9	49.9
Freezing Point	°C	ASTM D3321*	-40	-37	-33	-33
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		22	28	20
Phosphorus	ppm	ASTM D5185(m)		316	36	39
Boron	ppm	ASTM D5185(m)		144	149	194
Molybdenum	ppm	ASTM D5185(m)		90	7	23
Sodium	ppm	ASTM D5185(m)		2273	1290	1277
Potassium	ppm	ASTM D5185(m)		929	278	498
Coolant Color		Visual*	Green	Green	Green	Green



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0791166
Lab Number : 02616479
Unique Number : 5733589
Test Package : COOL (Additional Tests: GlycolType)

Received : 16 Feb 2024
Tested : 21 Feb 2024
Diagnosed : 21 Feb 2024 - Kevin Marson

GENREP LTD
 476 HWY 77, R.R. # 3
 LEAMINGTON, ON
 CA N8H 3V6
 Contact: Debbie Johnston
 djohnston@genrep.com
 T: (519)325-0202
 F: (519)322-0026

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.