

Area
MICHAUDVILLE
Machine Id
5031
Component
Hydraulic System
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 70W80 Tractor TDH Fluid. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Please specify the component make and model with your next sample.

WEAR

Light concentration of visible metal present.

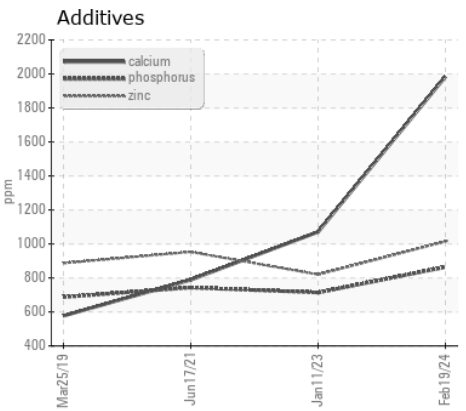
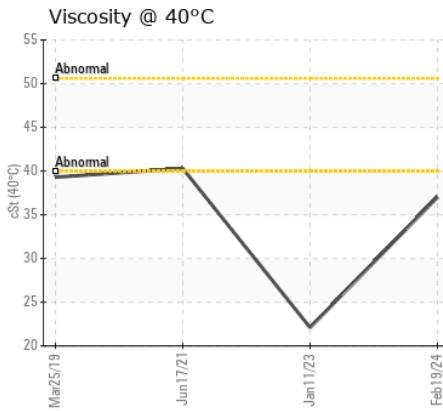
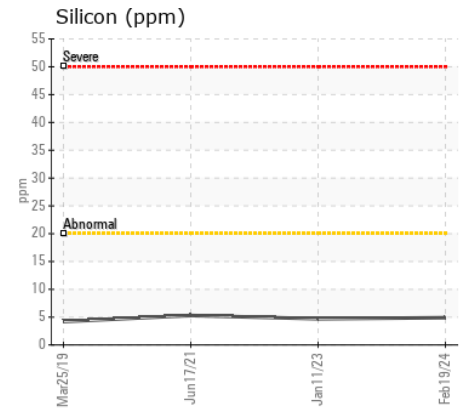
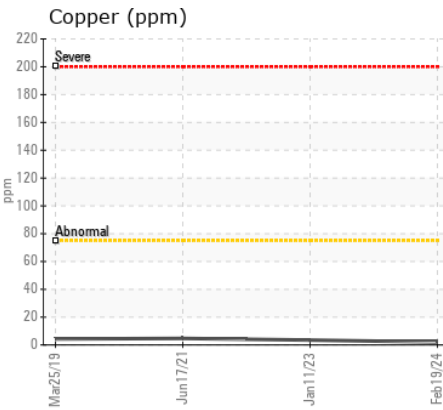
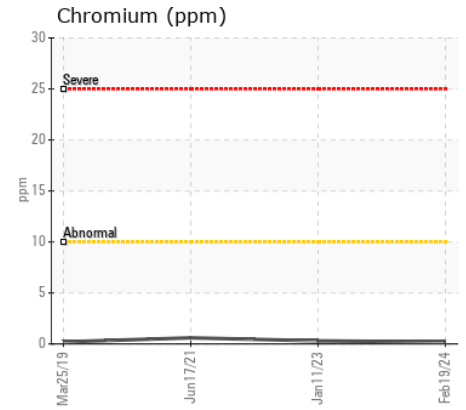
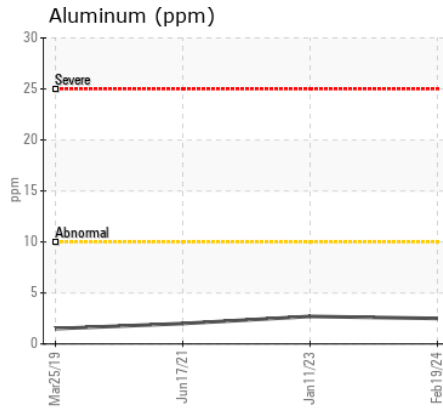
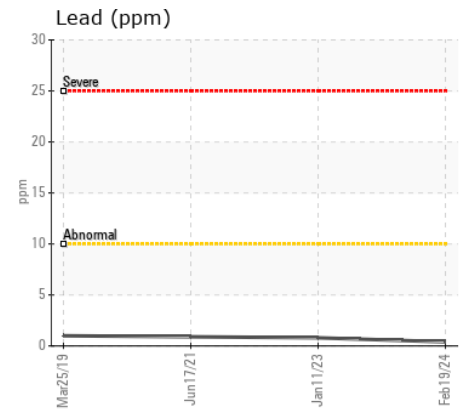
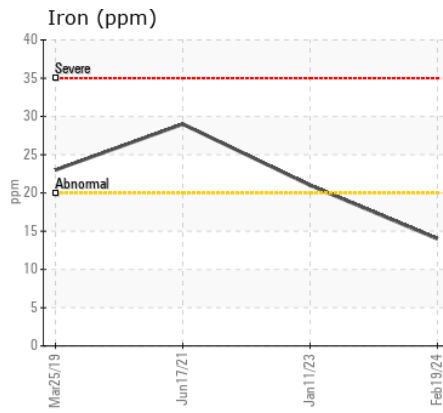
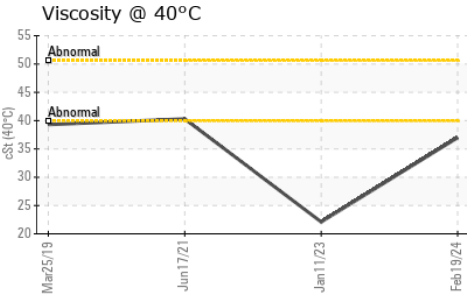
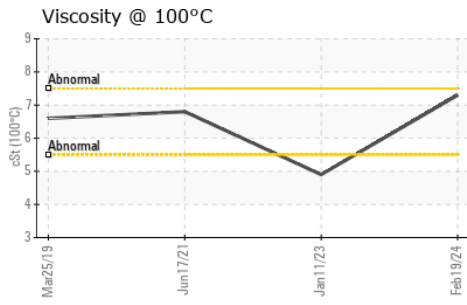
CONTAMINATION

Light concentration of visible dirt/debris present in the oil.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0083553	PC0067649	PC0047460
Sample Date		Client Info		19 Feb 2024	11 Jan 2023	17 Jun 2021
Machine Age	hrs	Client Info		4415	3671	2934
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ATTENTION
Iron	ppm	ASTM D5185(m)	>20	14	21	▲ 29
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>10	2	3	2
Lead	ppm	ASTM D5185(m)	>10	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>75	2	4	5
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	▲ LIGHT	● LTMOD	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	5	5	5
Potassium	ppm	ASTM D5185(m)	>20	2	2	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	▲ LIGHT	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		6	11	14
Boron	ppm	ASTM D5185(m)		2	<1	1
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		8	4	<1
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		128	75	19
Calcium	ppm	ASTM D5185(m)		1984	1071	789
Phosphorus	ppm	ASTM D5185(m)		864	714	743
Zinc	ppm	ASTM D5185(m)		1015	820	953
Sulfur	ppm	ASTM D5185(m)		3207	2083	2069
Visc @ 40°C	cSt	ASTM D7279(m)		37.0	▲ 22.1	40.3
Visc @ 100°C	cSt	ASTM D7279(m)		7.3	▲ 4.9	6.8
Viscosity Index (VI)	Scale	ASTM D2270*		166	152	125



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **LES ENTREPRISES MICHAUVILLE INC.**
Sample No. : PC0083553 **Received** : 20 Feb 2024 **270 RUE BRUNET**
Lab Number : 02616688 **Tested** : 23 Feb 2024 **MONT ST-HILAIRE, QC**
Unique Number : 5733798 **Diagnosed** : 23 Feb 2024 - Kevin Marson **CA J3H 0M6**
Test Package : MOB 1 (Additional Tests: Bottom, BottomAnalysis, FilterPatch, KV100, VI) **Contact: Martin Trudel**
mtrudel@michaudville.com

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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F: