

Area
MICHAUDVILLE

Machine Id
5107

Component
Rear Differential

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

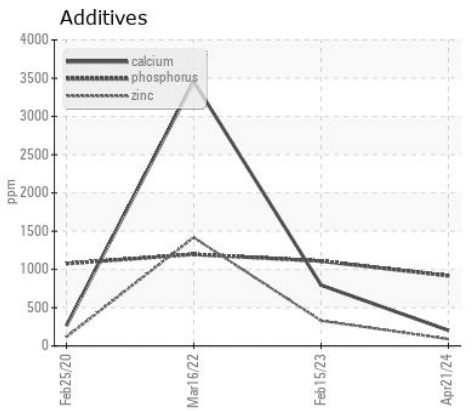
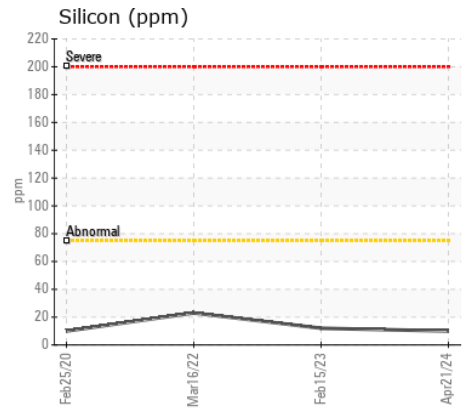
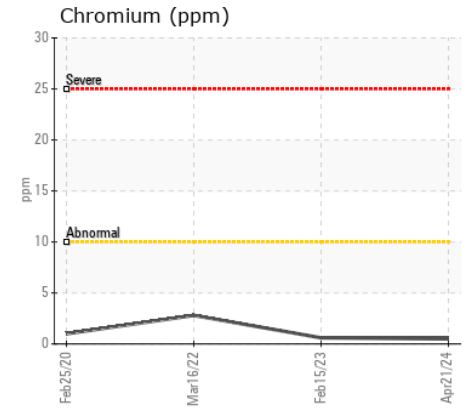
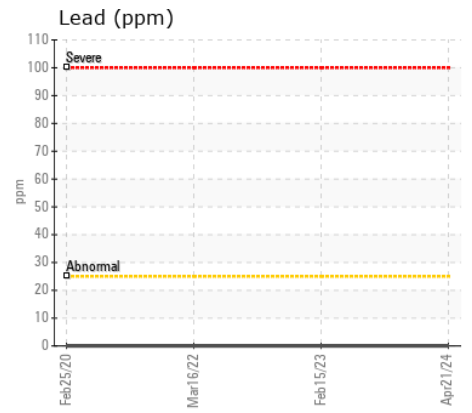
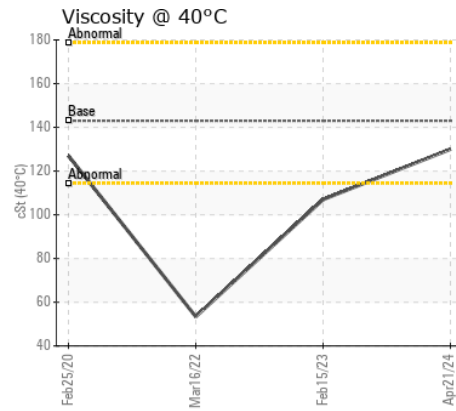
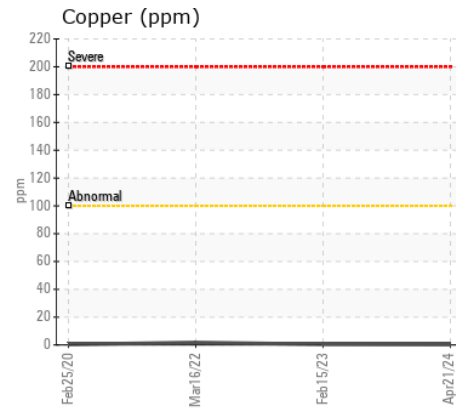
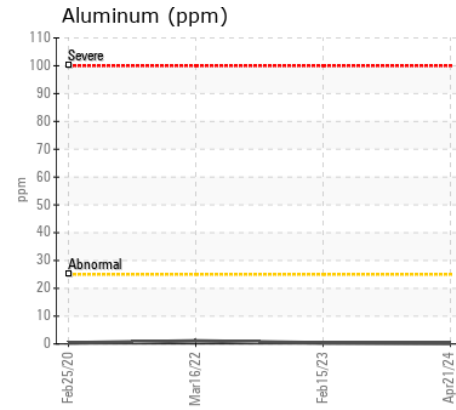
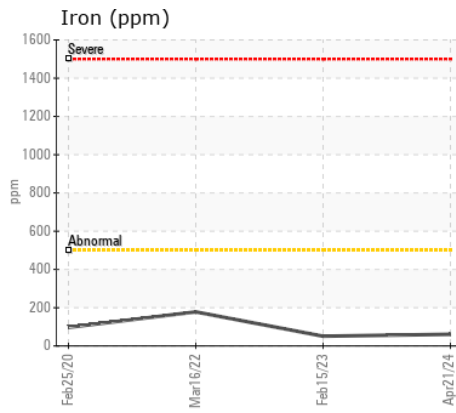
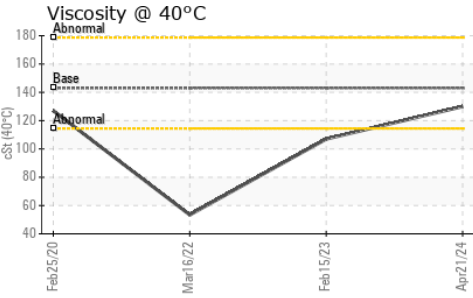
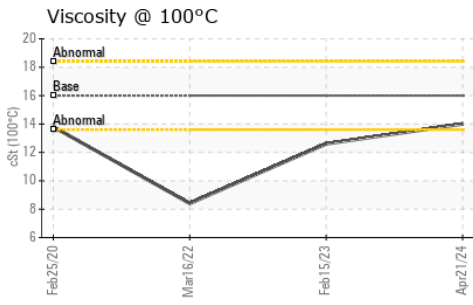
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0085231	PC0071468	PC0059626
Sample Date		Client Info		21 Apr 2024	15 Feb 2023	16 Mar 2022
Machine Age	hrs	Client Info		1632	1153	718
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				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>500	61	51	178
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	3
Nickel	ppm	ASTM D5185(m)	>10	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	<1	1
Lead	ppm	ASTM D5185(m)	>25	0	0	0
Copper	ppm	ASTM D5185(m)	>100	<1	<1	2
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>75	10	12	23
Potassium	ppm	ASTM D5185(m)	>20	<1	1	6
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	VLITE	LIGHT
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>170	2	3	16
Boron	ppm	ASTM D5185(m)	400	199	163	99
Barium	ppm	ASTM D5185(m)	200	0	0	1
Molybdenum	ppm	ASTM D5185(m)	12	0	0	<1
Manganese	ppm	ASTM D5185(m)		2	2	8
Magnesium	ppm	ASTM D5185(m)	12	4	4	10
Calcium	ppm	ASTM D5185(m)	150	204	795	3457
Phosphorus	ppm	ASTM D5185(m)	1650	917	1109	1197
Zinc	ppm	ASTM D5185(m)	125	90	330	1416
Sulfur	ppm	ASTM D5185(m)	22500	15776	14286	3111
Visc @ 40°C	cSt	ASTM D7279(m)	143	130	107	53.4
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	14.0	12.6	8.4
Viscosity Index (VI)	Scale	ASTM D2270*	117	105	110	130



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085231
Lab Number : 02630682
Unique Number : 5763814
Test Package : MOB 1 (Additional Tests: KV100, VI)

LES ENTREPRISES MICHAUDVILLE INC.
 270 RUE BRUNET
 MONT ST-HILAIRE, QC
 CA J3H 0M6
 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: