

Area  
**MICHAUDVILLE**  
Machine Id  
**5106**  
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.

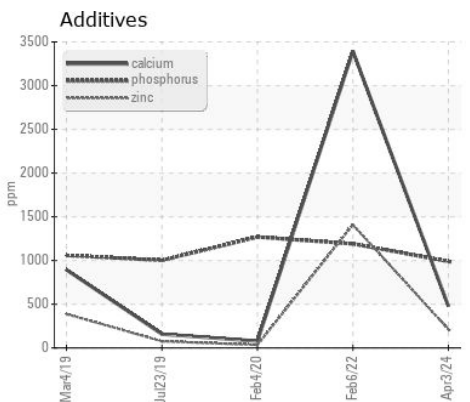
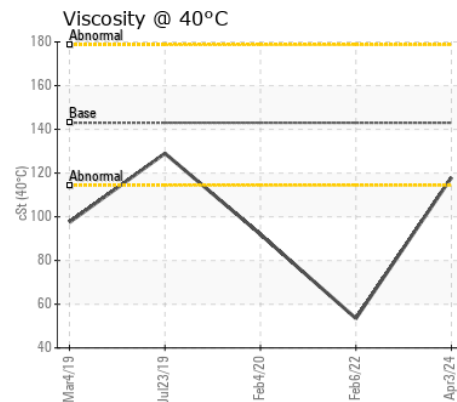
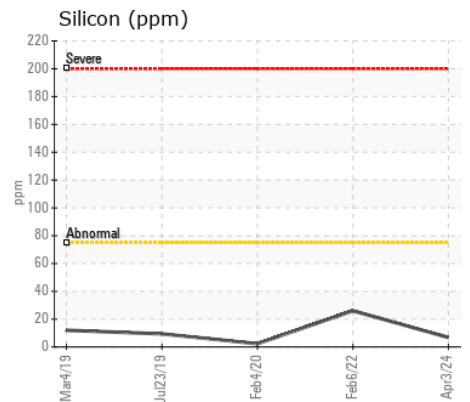
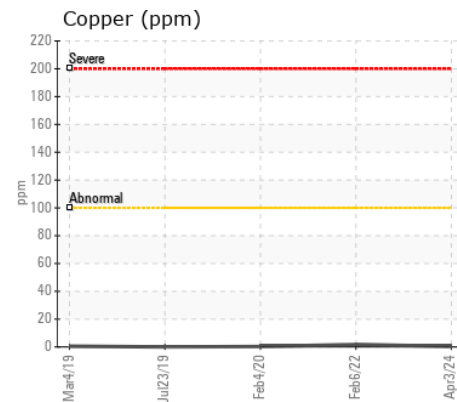
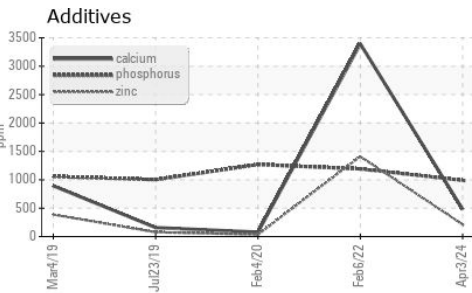
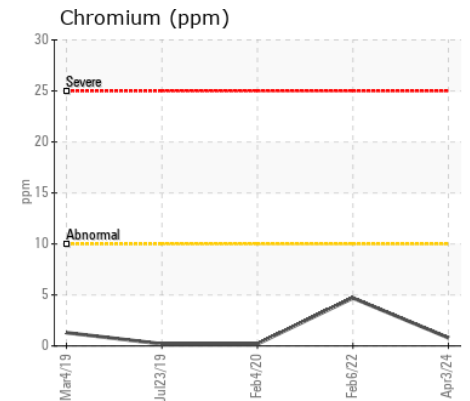
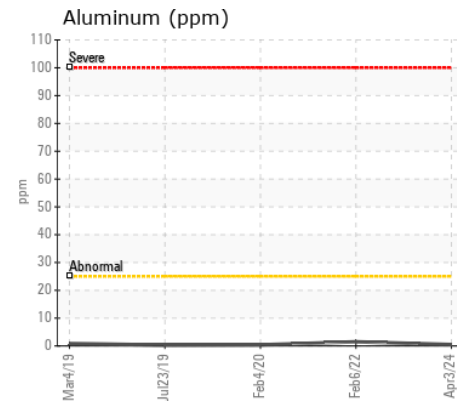
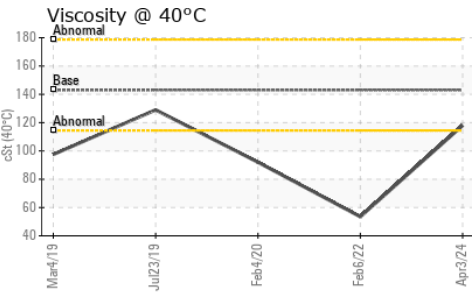
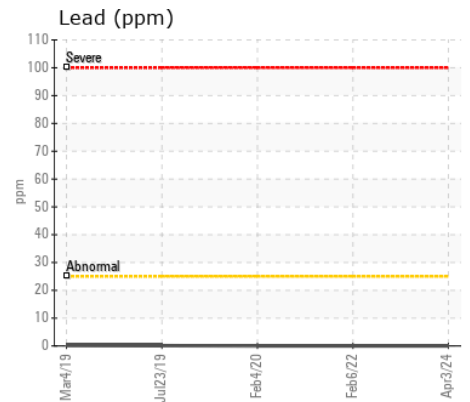
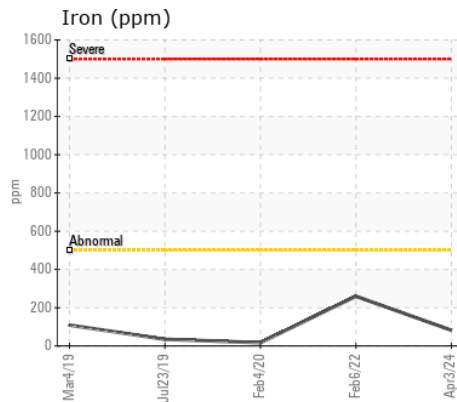
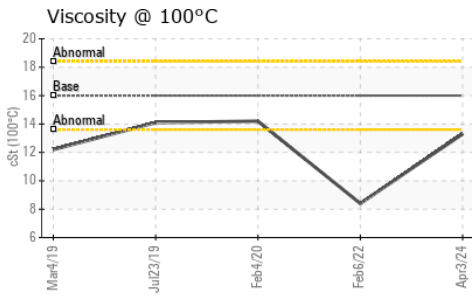
**CONTAMINATION**

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		<b>PC0088530</b>	PC0053150	PC0026043
Sample Date		Client Info		<b>03 Apr 2024</b>	06 Feb 2022	04 Feb 2020
Machine Age	hrs	Client Info		<b>1366</b>	426	2667
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>500	<b>82</b>	260	17
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	5	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>75	<b>7</b>	26	2
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	4	9
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>170	<b>3</b>	17	3
Boron	ppm	ASTM D5185(m)	400	<b>194</b>	103	304
Barium	ppm	ASTM D5185(m)	200	<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)	12	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>2</b>	17	<1
Magnesium	ppm	ASTM D5185(m)	12	<b>3</b>	11	3
Calcium	ppm	ASTM D5185(m)	150	<b>478</b>	3394	78
Phosphorus	ppm	ASTM D5185(m)	1650	<b>990</b>	1191	1269
Zinc	ppm	ASTM D5185(m)	125	<b>214</b>	1410	34
Sulfur	ppm	ASTM D5185(m)	22500	<b>15104</b>	3616	22029
Visc @ 40°C	cSt	ASTM D7279(m)	143	<b>118</b>	53.5	92
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	<b>13.3</b>	8.4	14.2
Viscosity Index (VI)	Scale	ASTM D2270*	117	<b>108</b>	130	159



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0088530 **Received** : 04 Apr 2024  
**Lab Number** : 02626692 **Tested** : 04 Apr 2024  
**Unique Number** : 5759824 **Diagnosed** : 04 Apr 2024 - Kevin Marson  
**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: