

Area  
**MICHAUDVILLE**

Machine Id  
**5510**  
Component  
**Hydraulic System**

Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

**RECOMMENDATION**

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0083620</b>	PC0078081	PC0057194
Sample Date		Client Info		<b>03 Apr 2024</b>	13 Sep 2023	17 Nov 2022
Machine Age	hrs	Client Info		<b>7056</b>	6690	6850
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	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m)	>20	<b>23</b>	19	17
Chromium	ppm	ASTM D5185(m)	>10	<b>4</b>	3	3
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>4</b>	4	4
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	1
Copper	ppm	ASTM D5185(m)	>75	<b>8</b>	9	7
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

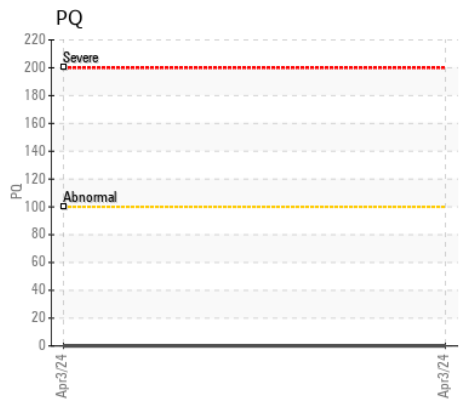
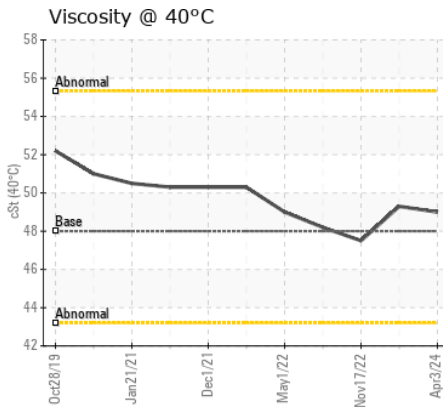
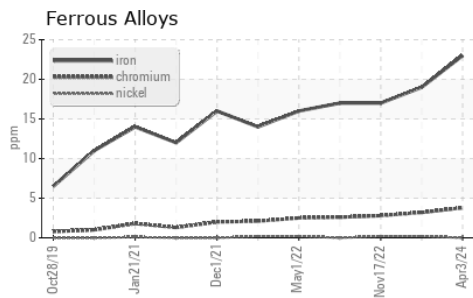
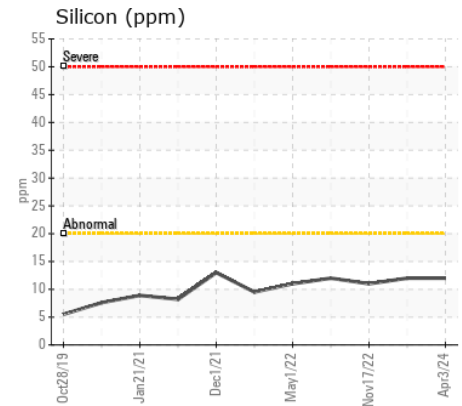
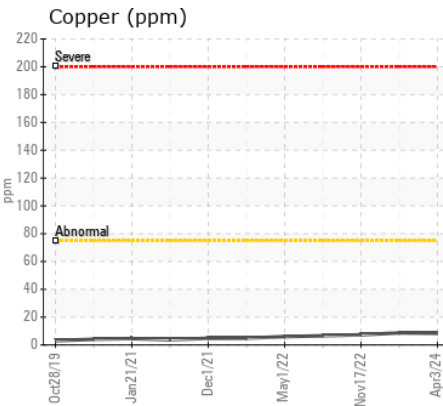
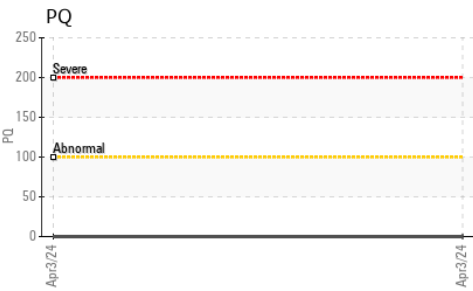
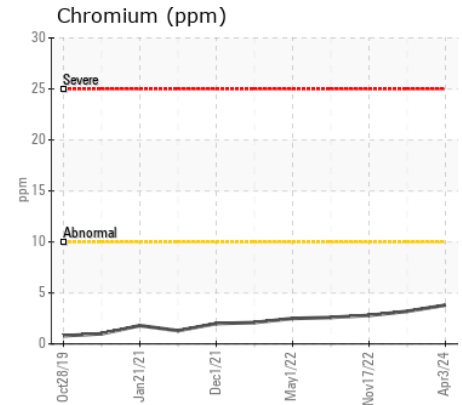
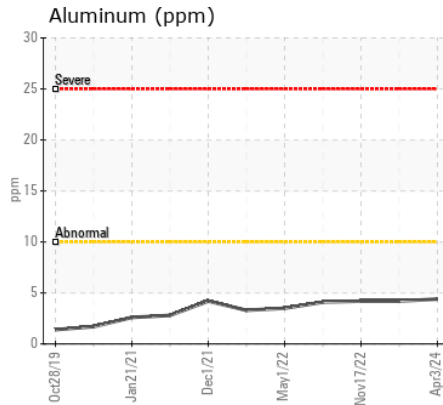
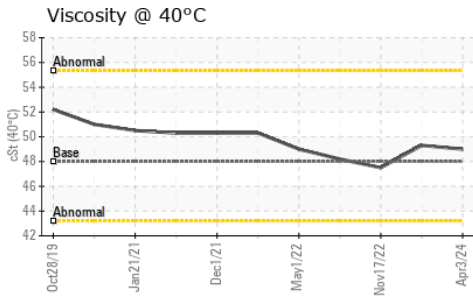
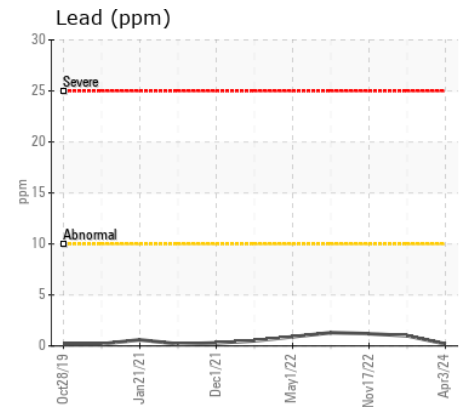
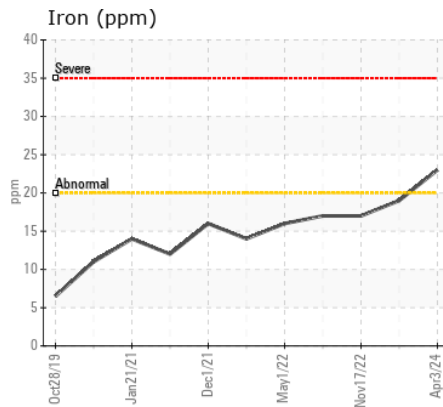
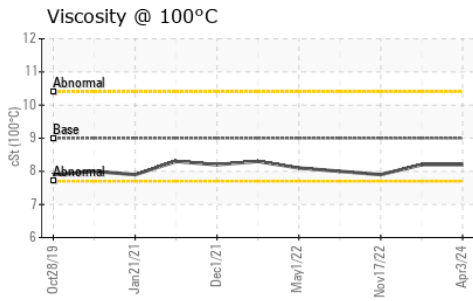
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	<b>12</b>	12	11
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</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*	>0.1	<b>NEG</b>	.2%	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>4</b>	4	3
Boron	ppm	ASTM D5185(m)	10	<b>10</b>	11	13
Barium	ppm	ASTM D5185(m)	10	<b>18</b>	19	20
Molybdenum	ppm	ASTM D5185(m)	10	<b>12</b>	13	8
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	100	<b>208</b>	206	139
Calcium	ppm	ASTM D5185(m)	3500	<b>2100</b>	2074	2153
Phosphorus	ppm	ASTM D5185(m)	1150	<b>921</b>	991	963
Zinc	ppm	ASTM D5185(m)	1150	<b>929</b>	935	893
Sulfur	ppm	ASTM D5185(m)	3000	<b>3046</b>	3102	3022
Visc @ 40°C	cSt	ASTM D7279(m)	48	<b>49.0</b>	49.3	47.5
Visc @ 100°C	cSt	ASTM D7279(m)	9.0	<b>8.2</b>	8.2	7.9
Viscosity Index (VI)	Scale	ASTM D2270*	171	<b>140</b>	139	136



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0083620  
**Lab Number** : 02626675  
**Unique Number** : 5759807  
**Test Package** : MOB 1 ( Additional Tests: KV100, PQ, VI )  
**Received** : 04 Apr 2024  
**Tested** : 04 Apr 2024  
**Diagnosed** : 05 Apr 2024 - Kevin Marson

**LES ENTREPRISES MICHAUVILLE 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: