

Machine Id
1510
Component
Transmission (Manual)
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

CONTAMINATION

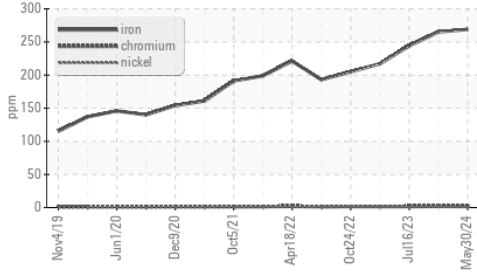
There is no indication of any contamination in the fluid.

FLUID CONDITION

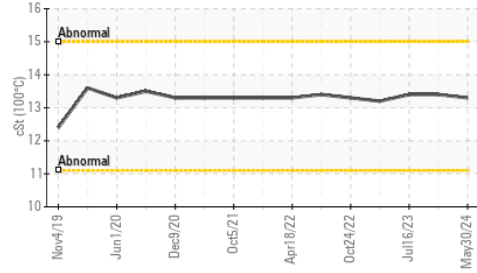
The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084247	PC0082275	PC0072011
Sample Date		Client Info		30 May 2024	31 Oct 2023	16 Jul 2023
Machine Age	hrs	Client Info		8641	8136	7618
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	ABNORMAL	ABNORMAL
PQ		ASTM D8184*	>95	0	0	0
Iron	ppm	ASTM D5185(m)	>200	▲ 269	▲ 265	▲ 244
Chromium	ppm	ASTM D5185(m)	>5	2	2	2
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	0	<1
Silver	ppm	ASTM D5185(m)	>7	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	4	4	3
Lead	ppm	ASTM D5185(m)	>45	<1	2	2
Copper	ppm	ASTM D5185(m)	>225	69	66	60
Tin	ppm	ASTM D5185(m)	>10	<1	<1	<1
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)	>125	4	5	5
Potassium	ppm	ASTM D5185(m)	>20	15	13	20
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	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*	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		86	84	84
Boron	ppm	ASTM D5185(m)		210	217	221
Barium	ppm	ASTM D5185(m)		4	5	5
Molybdenum	ppm	ASTM D5185(m)		<1	<1	1
Manganese	ppm	ASTM D5185(m)		13	13	13
Magnesium	ppm	ASTM D5185(m)		10	8	9
Calcium	ppm	ASTM D5185(m)		55	53	60
Phosphorus	ppm	ASTM D5185(m)		978	1053	1097
Zinc	ppm	ASTM D5185(m)		91	88	87
Sulfur	ppm	ASTM D5185(m)		489	492	661
Visc @ 40°C	cSt	ASTM D7279(m)		86.0	86.7	86.9
Visc @ 100°C	cSt	ASTM D7279(m)		13.3	13.4	13.4
Viscosity Index (VI)	Scale	ASTM D2270*		156	156	155

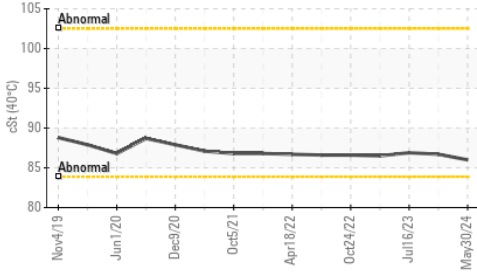
▲ Ferrous Alloys



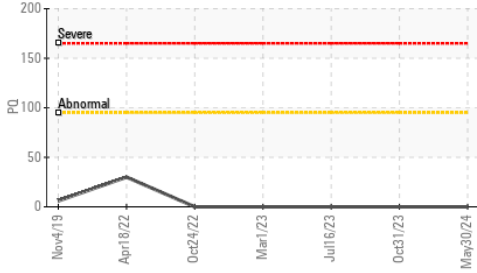
Viscosity @ 100°C



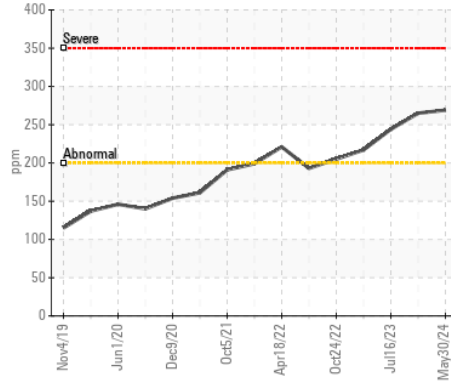
Viscosity @ 40°C



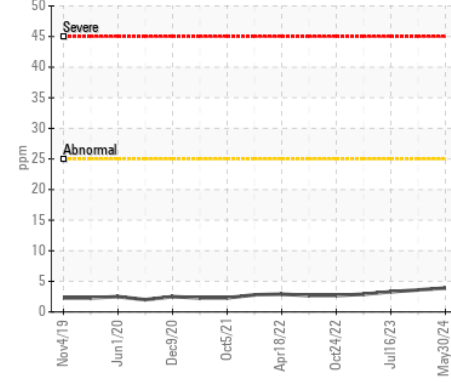
PQ



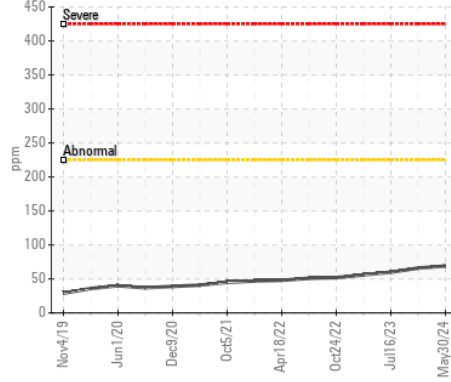
▲ Iron (ppm)



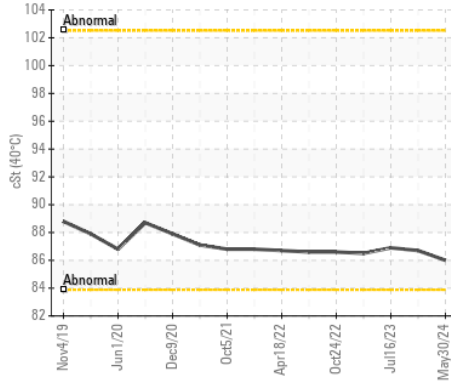
Aluminum (ppm)



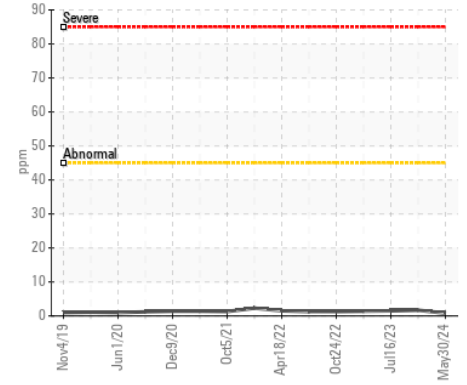
Copper (ppm)



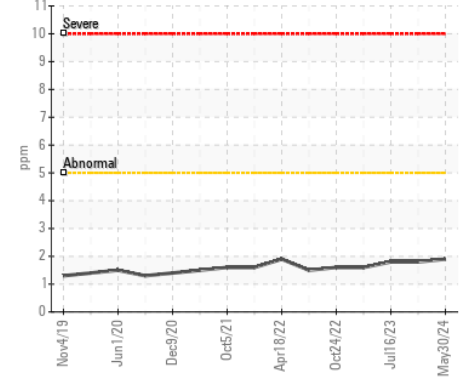
Viscosity @ 40°C



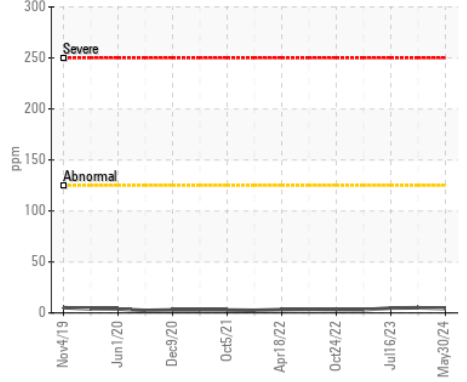
Lead (ppm)



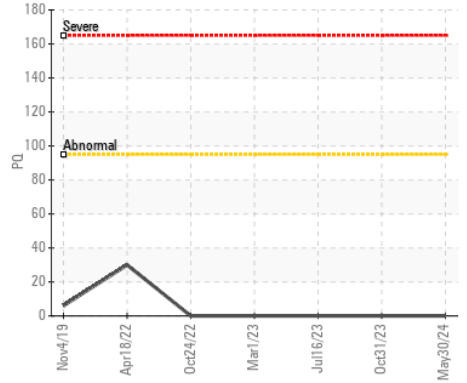
Chromium (ppm)



Silicon (ppm)



PQ



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084247
Lab Number : 02639212
Unique Number : 5788374
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)

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.

T:
F: