

Machine Id  
**1250**  
Component  
**Transmission (Manual)**  
Fluid  
**TES SYN 295 (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TES SYN 295. Please confirm.  
Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0083220</b>	PC0082422	PC0077383
Sample Date		Client Info		<b>14 May 2024</b>	14 Nov 2023	30 Aug 2023
Machine Age	hrs	Client Info		<b>7042</b>	6479	6031
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.

Iron	ppm	ASTM D5185(m)	>200	<b>67</b>	67	54
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>7	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>21</b>	19	18
Lead	ppm	ASTM D5185(m)	>45	<b>10</b>	10	11
Copper	ppm	ASTM D5185(m)	>225	<b>18</b>	18	17
Tin	ppm	ASTM D5185(m)	>10	<b>1</b>	1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

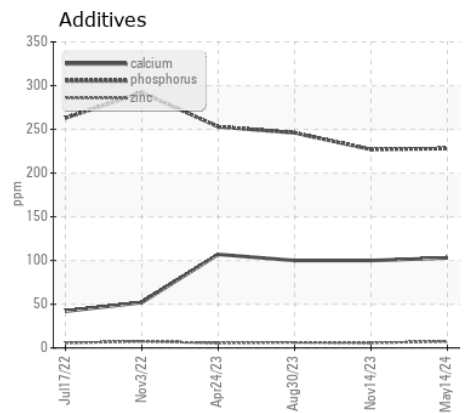
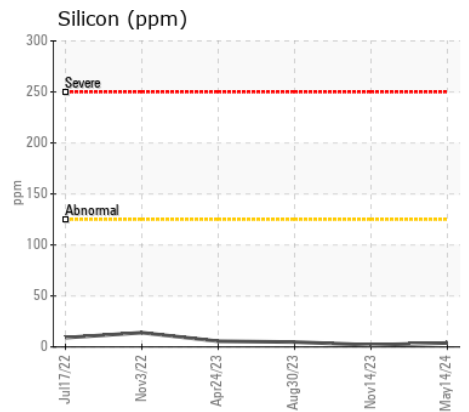
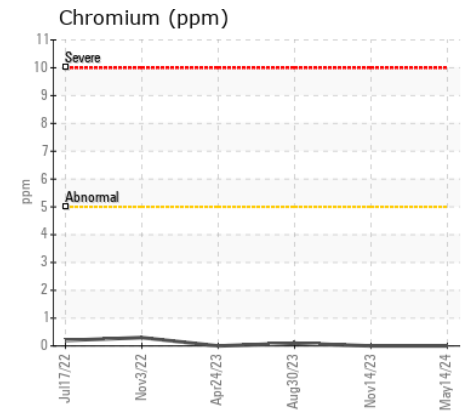
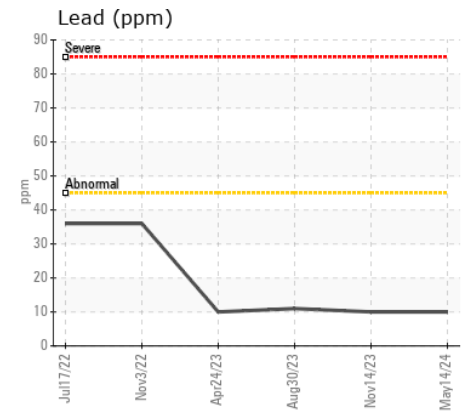
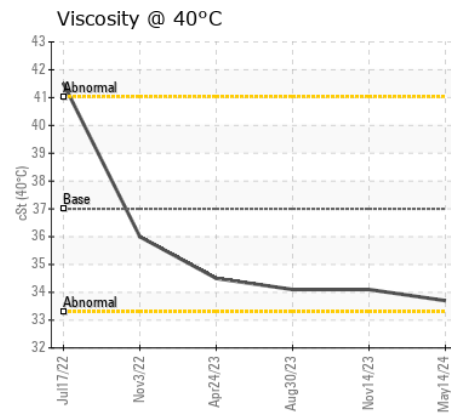
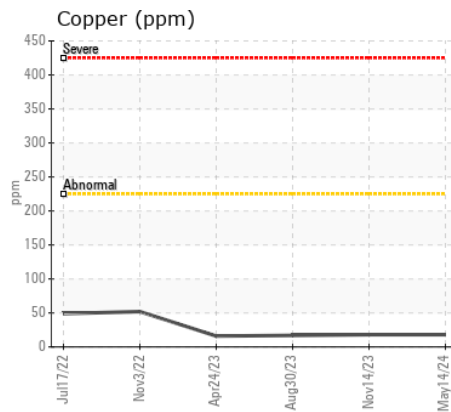
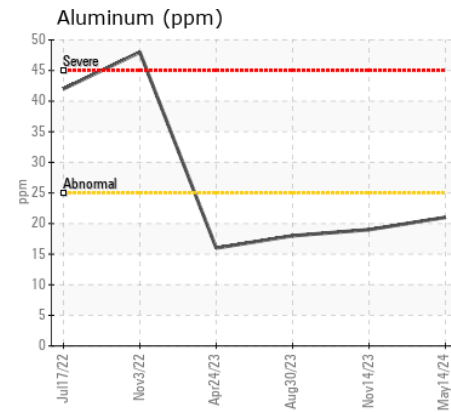
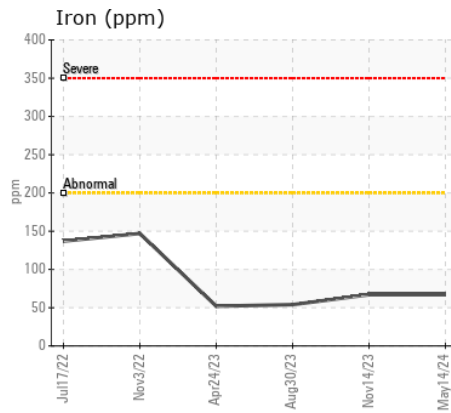
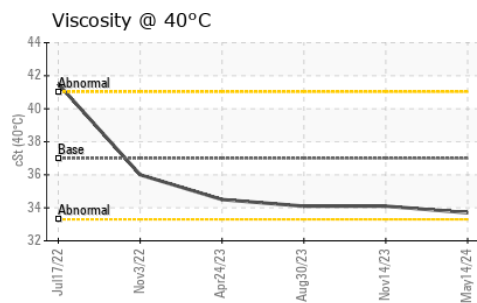
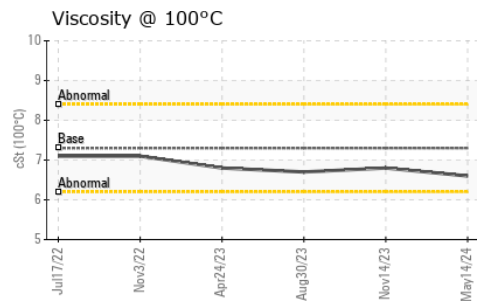
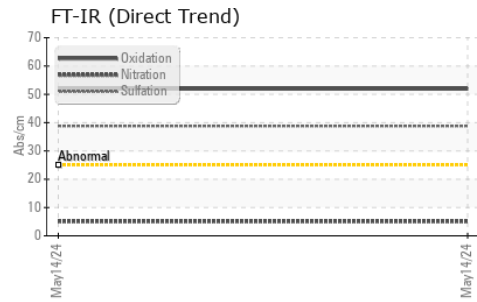
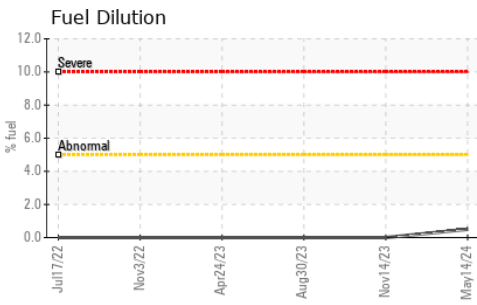
Fuel content negligible. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	<b>4</b>	2	5
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	2
Fuel	%	ASTM D7593*		<b>0.5</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*		<b>5.1</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>38.8</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
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*	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>4</b>	2	3
Boron	ppm	ASTM D5185(m)	85	<b>76</b>	80	77
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)	0	<b>1</b>	<1	1
Magnesium	ppm	ASTM D5185(m)	1	<b>2</b>	<1	<1
Calcium	ppm	ASTM D5185(m)	100	<b>103</b>	100	100
Phosphorus	ppm	ASTM D5185(m)	200	<b>228</b>	227	246
Zinc	ppm	ASTM D5185(m)	0	<b>7</b>	6	6
Sulfur	ppm	ASTM D5185(m)	1500	<b>1197</b>	1188	1234
Oxidation	Abs/.1mm	ASTM D7414*		<b>51.9</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	37.0	<b>33.7</b>	34.1	34.1
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	<b>6.6</b>	6.8	6.7
Viscosity Index (VI)	Scale	ASTM D2270*	165	<b>155</b>	162	157



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0083220  
**Lab Number** : 02635572  
**Unique Number** : 5776725  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, FuelDilution, KV100, PercentFuel, 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.

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F: