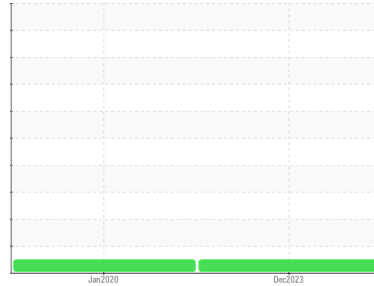


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**4505**  
Component  
**Transmission (Manual)**  
Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 75W80. Please confirm. 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 fluid.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PC0076045</b>	PC0019739	---
Sample Date	Client Info		<b>19 Dec 2023</b>	06 Jan 2020	---
Machine Age	hrs	Client Info	<b>8304</b>	7576	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	Not Changd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*	>95	<b>0</b>	---	---
Iron	ppm	ASTM D5185(m)	>200	<b>5</b>	20
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1
Silver	ppm	ASTM D5185(m)	>7	<b>0</b>	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>1</b>	<1
Lead	ppm	ASTM D5185(m)	>45	<b>&lt;1</b>	2
Copper	ppm	ASTM D5185(m)	>225	<b>2</b>	4
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	10	<b>49</b>	38
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	<1
Molybdenum	ppm	ASTM D5185(m)	10	<b>6</b>	<1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	1
Magnesium	ppm	ASTM D5185(m)	100	<b>114</b>	71
Calcium	ppm	ASTM D5185(m)	3500	<b>2781</b>	3559
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1010</b>	1115
Zinc	ppm	ASTM D5185(m)	1150	<b>1195</b>	1292
Sulfur	ppm	ASTM D5185(m)	5000	<b>2846</b>	3099
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

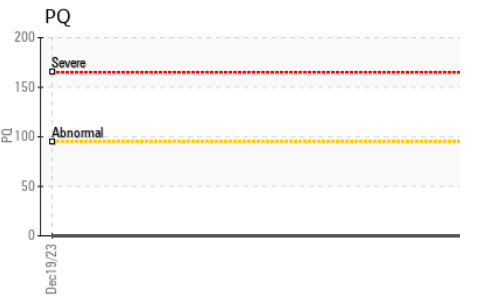
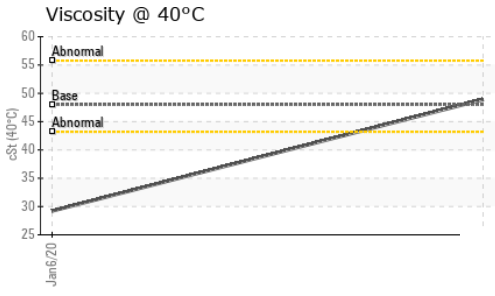
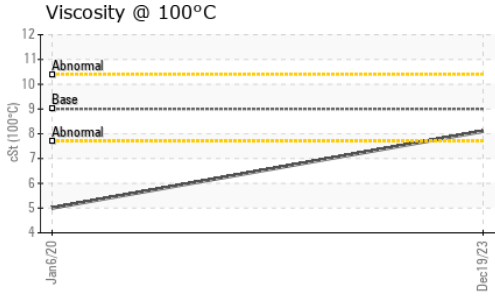
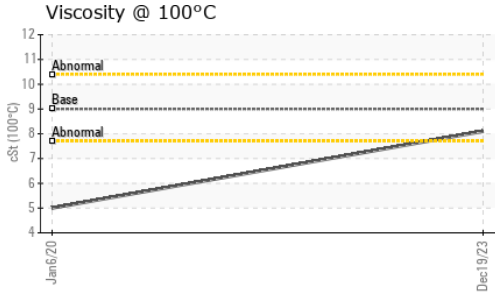
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>125	<b>4</b>	5
Sodium	ppm	ASTM D5185(m)		<b>4</b>	4
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	2.25	<b>1.74</b>	---

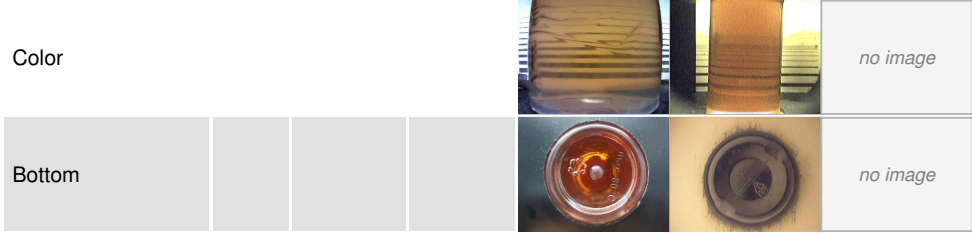
# OIL ANALYSIS REPORT



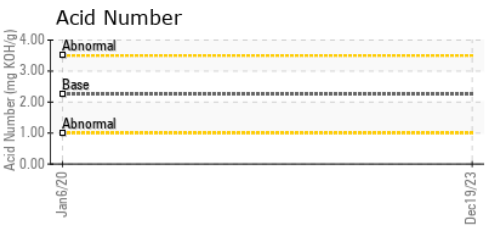
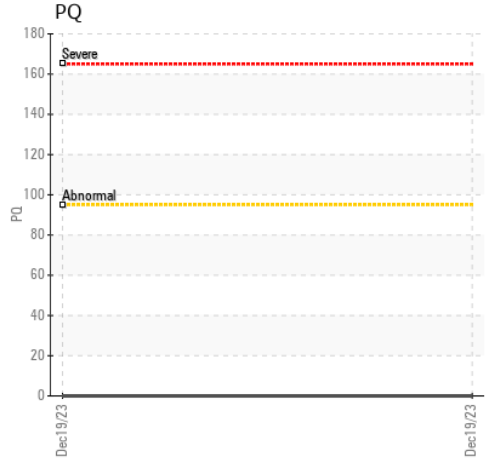
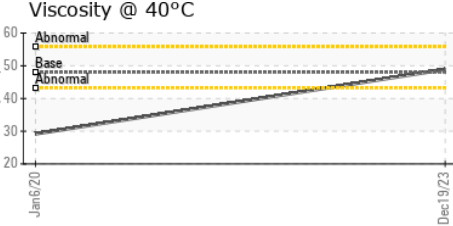
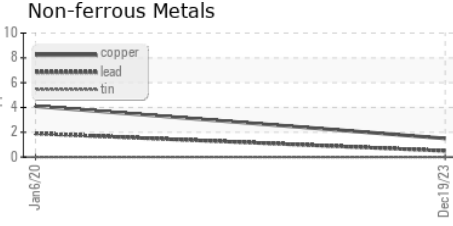
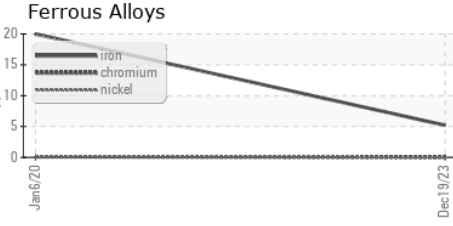
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	LIGHT	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	48	48.9	29.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.0	8.1	5.0	---
Viscosity Index (VI)	Scale	ASTM D2270*	171	137	93	---

**SAMPLE IMAGES** method limit/base current history1 history2



**GRAPHS**



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUDVILLE INC.  
**Sample No.** : PC0076045 **Received** : 20 Dec 2023  
**Lab Number** : 02604479 **Diagnosed** : 20 Dec 2023  
**Unique Number** : 5697564 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )

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.