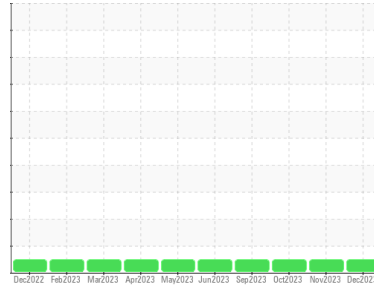


Machine Id  
**5196**  
Component  
**Gasoline Engine**  
Fluid  
**SAE 5W20 (--- GAL)**



**DIAGNOSIS**

**Recommendation**  
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

**Wear**  
Les taux d'usure de tous les composants sont normaux.

**Contamination**  
Il n'y a aucun indice de contamination dans l'huile.

**Fluid Condition**  
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

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

Sample Number	Client Info	<b>PC0079645</b>	PC0079818	PC0074160
Sample Date	Client Info	<b>08 Dec 2023</b>	14 Nov 2023	09 Oct 2023
Machine Age	hrs	Client Info	<b>76955</b>	71015
Oil Age	hrs	Client Info	<b>5940</b>	8422
Oil Changed	Client Info	<b>Changed</b>	Changed	Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

**CONTAMINATION** method limit/base current history1 history2

Fuel	WC Method	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	WC Method		<b>NEG</b>	NEG	NEG

**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>150	<b>9</b>	10	4
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>40	<b>2</b>	2	1
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185(m)	>155	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**ADDITIVES** method limit/base current history1 history2

Boron	ppm	ASTM D5185(m)		<b>88</b>	58	81
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>72</b>	84	141
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>486</b>	478	466
Calcium	ppm	ASTM D5185(m)		<b>1184</b>	1153	1255
Phosphorus	ppm	ASTM D5185(m)		<b>637</b>	614	636
Zinc	ppm	ASTM D5185(m)		<b>714</b>	723	758
Sulfur	ppm	ASTM D5185(m)		<b>2402</b>	2161	1738
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

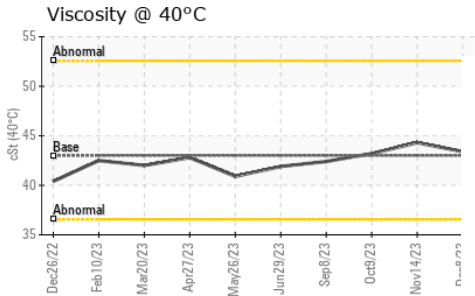
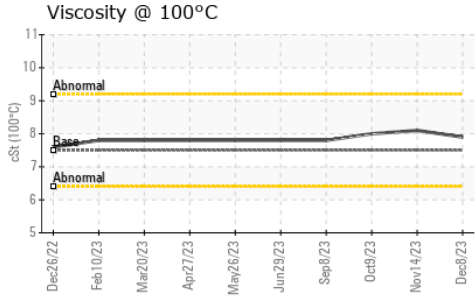
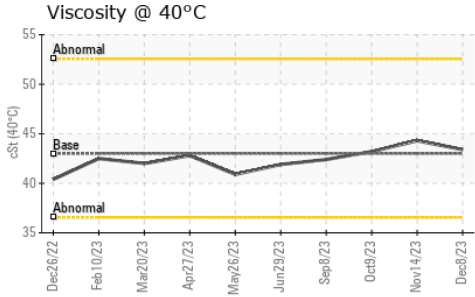
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>30	<b>12</b>	10	7
Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0

**INFRA-RED** method limit/base current history1 history2

Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.4</b>	9.2	5.7
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>20.4</b>	20.7	15.2

# OIL ANALYSIS REPORT

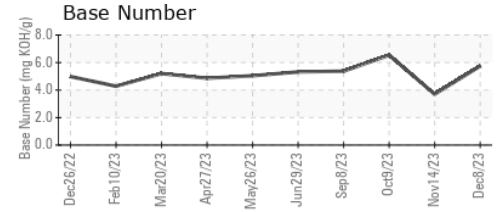
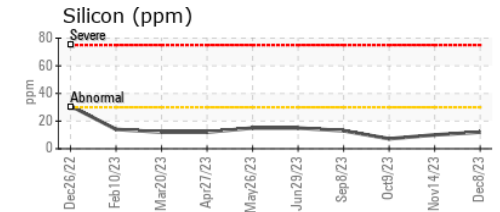
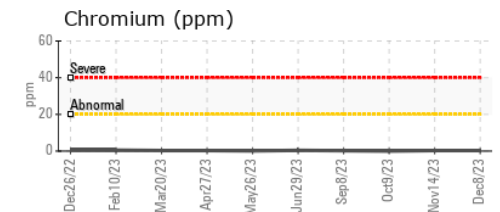
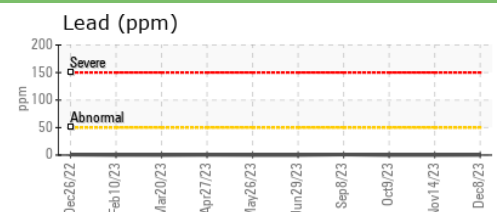
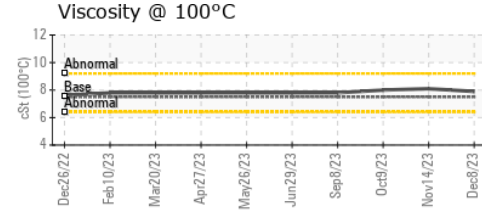
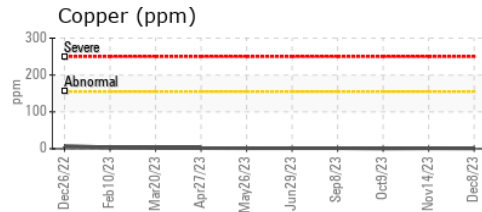
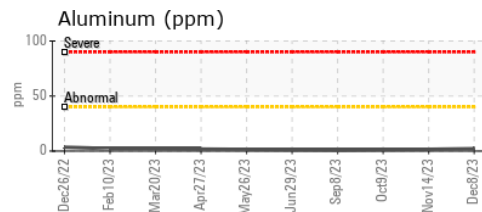
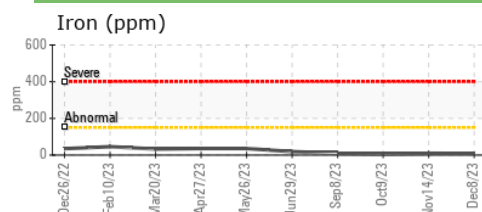


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.2</b>	13.5	8.5
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>5.74</b>	3.70	6.54

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
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*	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	43.0	<b>43.4</b>	44.3	43.2
Visc @ 100°C	cSt	ASTM D7279(m)	7.5	<b>7.9</b>	8.1	8
Viscosity Index (VI)	Scale	ASTM D2270*	141	<b>155</b>	158	159

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0079645 **Received** : 28 Dec 2023  
**Lab Number** : **02605519** **Tested** : 29 Dec 2023  
**Unique Number** : 5698604 **Diagnosed** : 29 Dec 2023 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV40, VI )

**TRANSDEV ST-JEAN**  
 720 TROTTER  
 ST-JEAN-SUR-RICHELIEU, QC  
 CA J3B 8T2  
 Contact: Eric Breton  
 eric.breton@transdev.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: