

Machine Id  
**5173**  
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>PC0074404</b>	PC0073502	PC0073579
Sample Date	Client Info			<b>11 Aug 2023</b>	04 Jul 2023	01 Jun 2023
Machine Age	kms	Client Info		<b>0</b>	0	0
Oil Age	kms	Client Info		<b>5349</b>	6134	6950
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
Glycol	WC Method			<b>NEG</b>	NEG	NEG

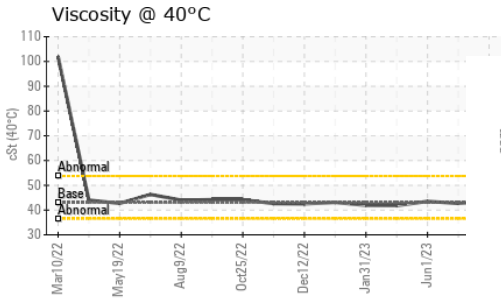
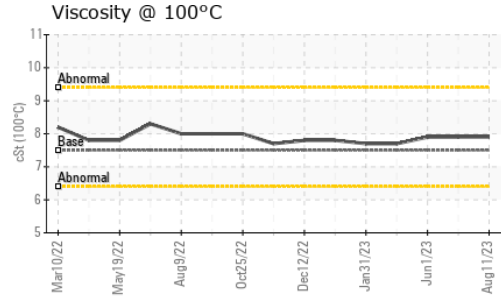
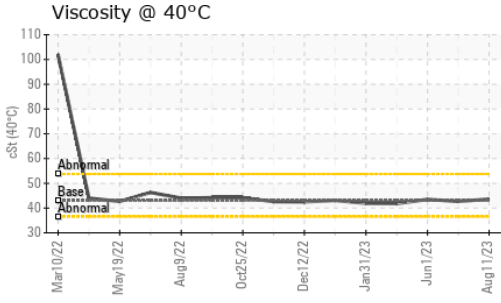
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	<b>5</b>	6	6
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>40	<b>1</b>	1	1
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>155	<b>6</b>	6	7
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>66</b>	68	48
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>70</b>	70	71
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>527</b>	525	532
Calcium	ppm	ASTM D5185(m)		<b>1248</b>	1273	1264
Phosphorus	ppm	ASTM D5185(m)		<b>720</b>	723	735
Zinc	ppm	ASTM D5185(m)		<b>782</b>	785	786
Sulfur	ppm	ASTM D5185(m)		<b>2337</b>	2330	2332
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>17</b>	16	26
Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	2
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.9</b>	8.9	8.8
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>22.1</b>	22.5	22.2

# OIL ANALYSIS REPORT

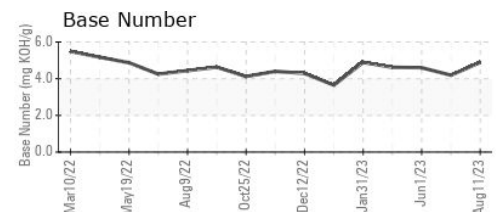
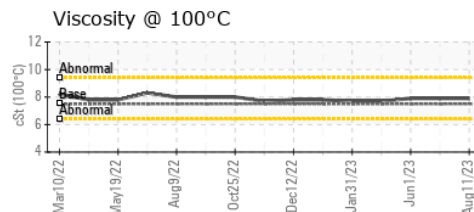
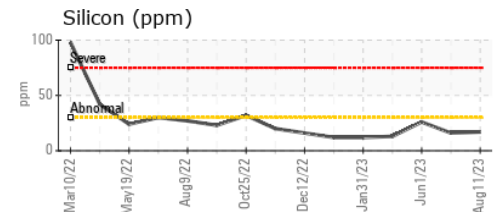
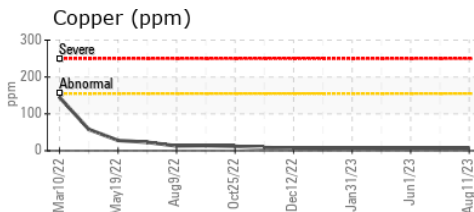
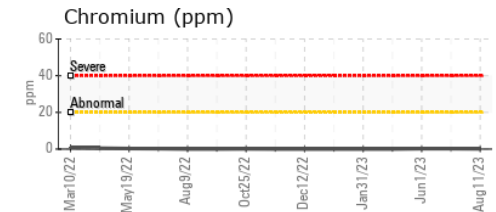
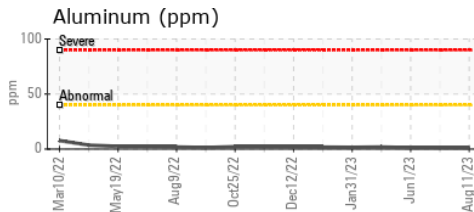
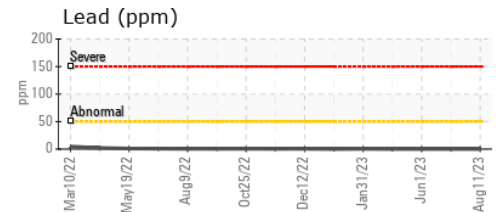
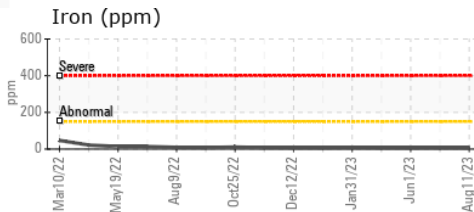


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>14.5</b>	14.9	15.5
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>4.89</b>	4.19	4.60

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</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>VLITE</b>	VLITE	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>43.6</b>	42.7	43.5
Visc @ 100°C	cSt	ASTM D7279(m)	7.5	<b>7.9</b>	7.9	7.9
Viscosity Index (VI)	Scale	ASTM D2270*	141	<b>154</b>	158	154

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0074404 **Received** : 29 Aug 2023  
**Lab Number** : **02579005** **Diagnosed** : 30 Aug 2023  
**Unique Number** : 5632065 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV40, VI )

**TRANSDEV ST-JEAN**  
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 Contact: Eric Breton  
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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.