



Machine Id  
**704217**  
Component  
**Diesel Engine**  
Fluid  
**SAE 5W30 (--- GAL)**



## DIAGNOSIS

### Recommendation

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### Wear

Les taux de métaux sont typiques d'une première vidange.

### Contamination

Quantité modérée de carburant dans l'huile. Les tests confirment la présence de carburant dans l'huile.

### Fluid Condition

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. Il y a du carburant dans l'huile, ce qui réduit la viscosité. L'huile ne peut plus être utilisée en raison de la présence de contaminants.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0079606</b>	---	---
Sample Date	Client Info	<b>22 Dec 2023</b>	---	---
Machine Age	kms Client Info	<b>105936</b>	---	---
Oil Age	kms Client Info	<b>105936</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	<b>NEG</b>	---	---
Glycol	WC Method	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	<b>12</b>	---	---
Chromium	ppm ASTM D5185(m) >20	<b>0</b>	---	---
Nickel	ppm ASTM D5185(m) >4	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm ASTM D5185(m) >3	<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m) >20	<b>2</b>	---	---
Lead	ppm ASTM D5185(m) >40	<b>&lt;1</b>	---	---
Copper	ppm ASTM D5185(m) >330	<b>&lt;1</b>	---	---
Tin	ppm ASTM D5185(m) >15	<b>&lt;1</b>	---	---
Antimony	ppm ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>79</b>	---	---
Barium	ppm ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185(m)	<b>66</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>0</b>	---	---
Magnesium	ppm ASTM D5185(m)	<b>489</b>	---	---
Calcium	ppm ASTM D5185(m)	<b>1186</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>675</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>717</b>	---	---
Sulfur	ppm ASTM D5185(m)	<b>2483</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---

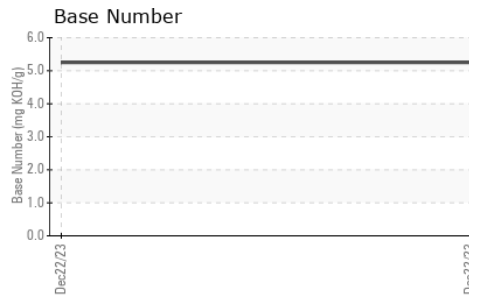
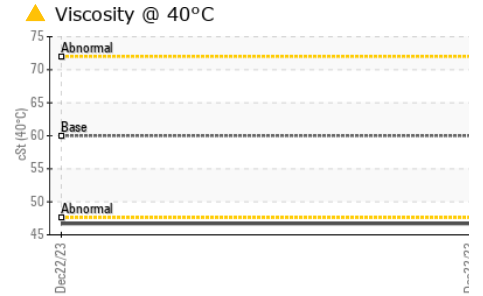
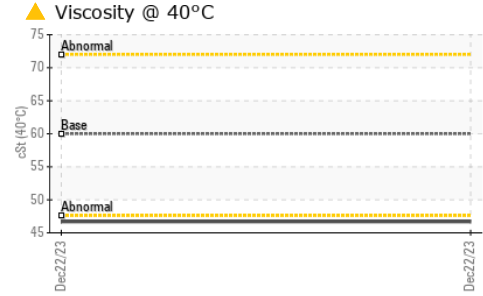
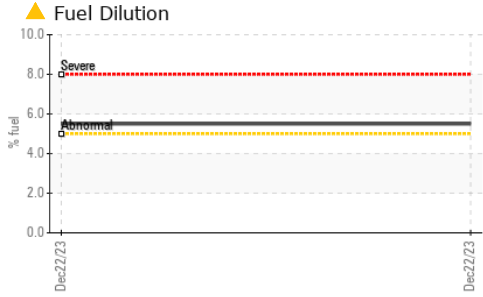
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	<b>20</b>	---	---
Sodium	ppm ASTM D5185(m)	<b>23</b>	---	---
Potassium	ppm ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Fuel	% ASTM D7593* >5	<b>▲ 5.5</b>	---	---

## INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	<b>0</b>	---	---
Nitration	Abs/cm ASTM D7624* >20	<b>11.7</b>	---	---
Sulfation	Abs./1mm ASTM D7415* >30	<b>21.7</b>	---	---

# OIL ANALYSIS REPORT

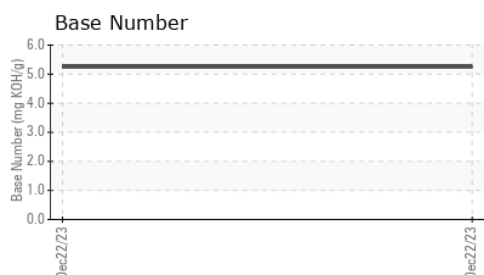
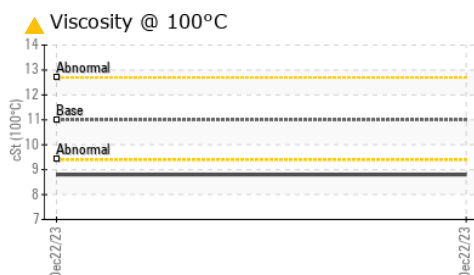
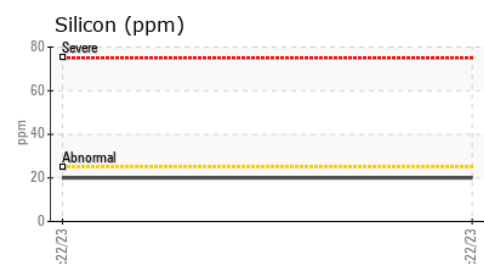
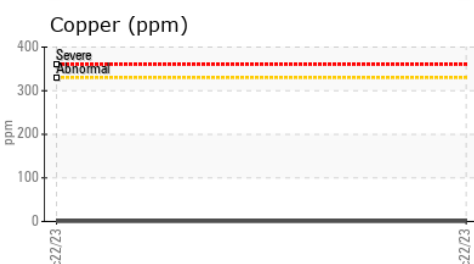
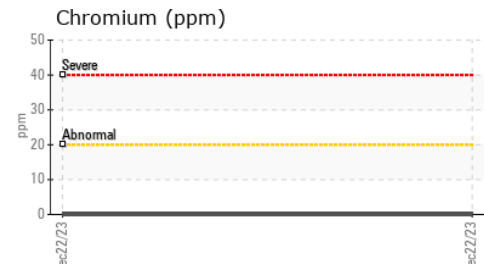
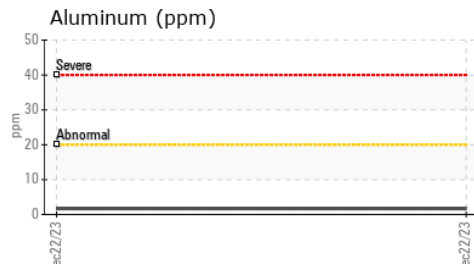
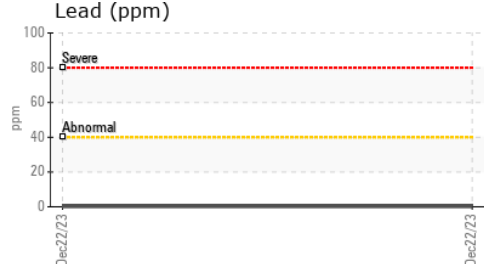
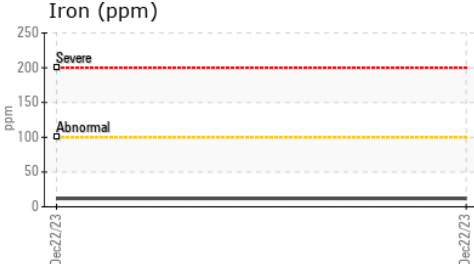


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>14.2</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>5.25</b>	---	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	60.0	<b>▲ 46.7</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	<b>▲ 8.8</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	177	<b>170</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0079606 **Received** : 28 Dec 2023  
**Lab Number** : **02605523** **Tested** : 29 Dec 2023  
**Unique Number** : 5698608 **Diagnosed** : 29 Dec 2023 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, KV40, PercentFuel, 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.