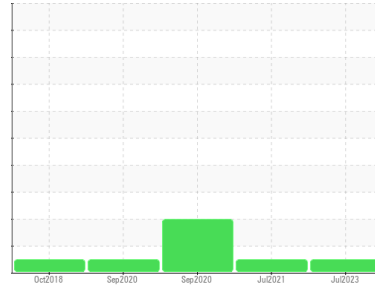


Machine Id  
**3567**  
Component  
**Rear Differential**  
Fluid  
**SAE 80W90 (13 LTR)**



**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 AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PC0073590</b>	PC0050110	PC0027072
Sample Date	Client Info		<b>07 Jul 2023</b>	13 Jul 2021	28 Sep 2020
Machine Age	kms	Client Info	<b>538190</b>	0	0
Oil Age	kms	Client Info	<b>120606</b>	32307	118055
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	ATTENTION

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>24</b>	---	---
Iron	ppm	ASTM D5185(m) >500	<b>128</b>	185	8
Chromium	ppm	ASTM D5185(m) >10	<b>1</b>	2	<1
Nickel	ppm	ASTM D5185(m) >10	<b>2</b>	3	<1
Titanium	ppm	ASTM D5185(m)	<b>2</b>	2	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m) >25	<b>2</b>	3	2
Lead	ppm	ASTM D5185(m) >25	<b>0</b>	<1	2
Copper	ppm	ASTM D5185(m) >100	<b>4</b>	6	1
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185(m) >5	<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) 200	<b>230</b>	245	2
Barium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	▲ 58
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185(m) 0	<b>2</b>	3	▲ 983
Calcium	ppm	ASTM D5185(m) 20	<b>56</b>	32	▲ 1055
Phosphorus	ppm	ASTM D5185(m) 1000	<b>1069</b>	1484	1035
Zinc	ppm	ASTM D5185(m) 20	<b>7</b>	8	▲ 1253
Sulfur	ppm	ASTM D5185(m) 22000	<b>18126</b>	24041	▲ 2815
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

**CONTAMINANTS**

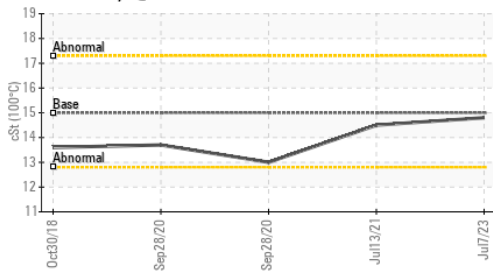
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>15</b>	14	4
Sodium	ppm	ASTM D5185(m) >50	<b>4</b>	5	4
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	4	<1

**FLUID DEGRADATION**

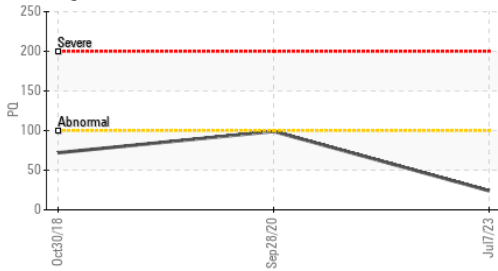
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>1.47</b>	2.09	3.25

# OIL ANALYSIS REPORT

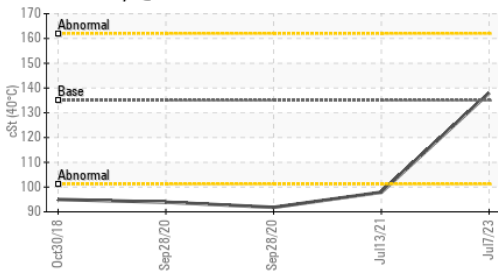
Viscosity @ 100°C



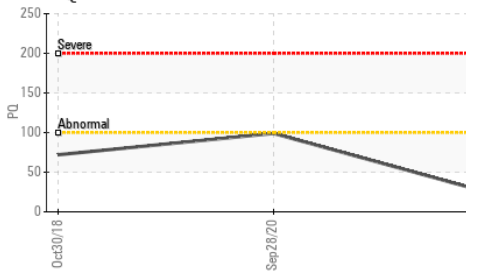
PQ



Viscosity @ 40°C



PQ



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
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*	>.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

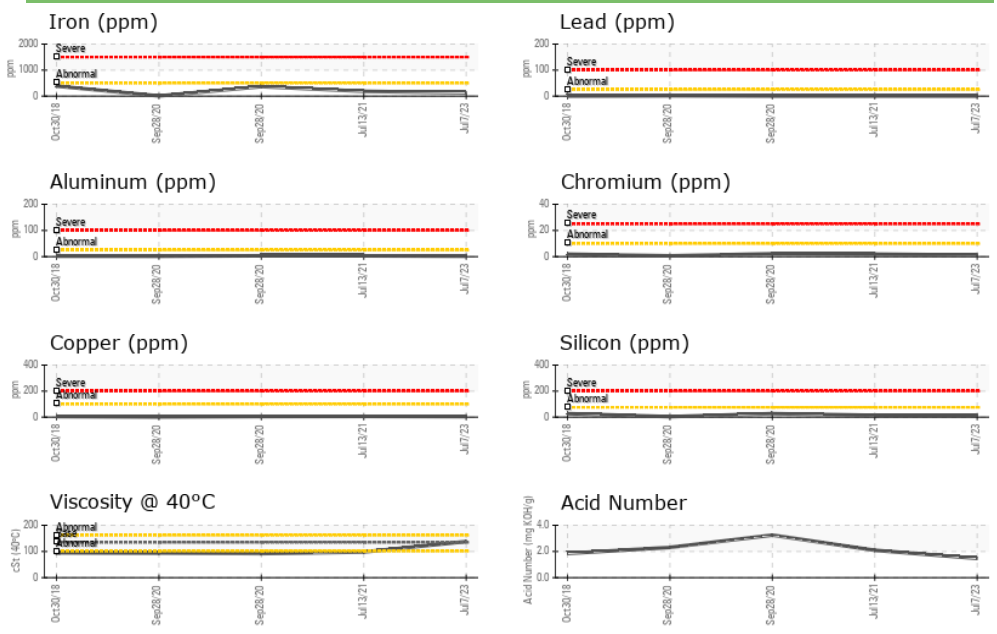
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D279(m)	135	138	97.9
Visc @ 100°C	cSt	ASTM D279(m)	15.0	14.8	14.5
Viscosity Index (VI)	Scale	ASTM D2270*	112	107	153

**SAMPLE IMAGES**

Color

Bottom

**GRAPHS**



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0073590 **Received** : 02 Aug 2023  
**Lab Number** : 02573802 **Diagnosed** : 03 Aug 2023  
**Unique Number** : 5618853 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: KV100, PQ, TAN Man, 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.