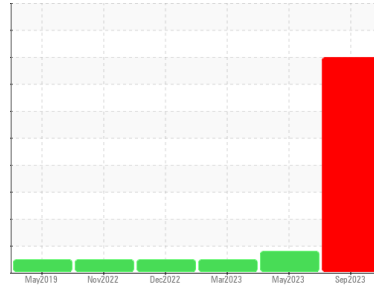




Machine Id  
**7228**  
Component  
**Transmission (Auto)**  
Fluid  
**ALLISON TES 295 (--- GAL)**



**DIAGNOSIS**

**Recommendation**  
Nous vous recommandons de vidanger le fluide de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

**Wear**  
Usure des engrenages. Le haut indice ferreux (PQ) indique la présence d'une usure anormale.

**Contamination**  
Il n'y a aucun indice de contamination dans le fluide.

**Fluid Condition**  
le fluide n'est plus en état de service en raison d'une usure anormale et/ou sévère.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PC0078093</b>	PC0075447	PC0067773
Sample Date	Client Info			<b>25 Sep 2023</b>	25 May 2023	06 Mar 2023
Machine Age	kms	Client Info		<b>136279</b>	186958	183034
Oil Age	kms	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>SEVERE</b>	ABNORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
PQ	ASTM D8184*	>50	▲ <b>161</b>	18	---	---
Iron	ppm	ASTM D5185(m)	>160	● <b>362</b>	▲ 144	24
Chromium	ppm	ASTM D5185(m)	>5	<1	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>5	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>50	<b>8</b>	17	4
Lead	ppm	ASTM D5185(m)	>50	<b>2</b>	9	<1
Copper	ppm	ASTM D5185(m)	>225	<b>24</b>	31	11
Tin	ppm	ASTM D5185(m)	>10	<1	2	<1
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	<1
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

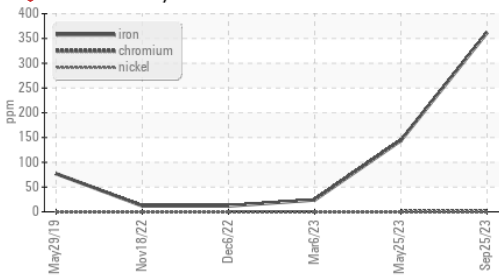
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	150	<b>63</b>	93	69
Barium	ppm	ASTM D5185(m)	0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>3</b>	2	<1
Magnesium	ppm	ASTM D5185(m)	0	<1	<1	1
Calcium	ppm	ASTM D5185(m)	40	<b>124</b>	124	135
Phosphorus	ppm	ASTM D5185(m)	320	<b>208</b>	292	244
Zinc	ppm	ASTM D5185(m)	5	<b>10</b>	8	13
Sulfur	ppm	ASTM D5185(m)	1050	<b>1422</b>	1352	1411
Lithium	ppm	ASTM D5185(m)		<b>2</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<b>12</b>	14	7
Sodium	ppm	ASTM D5185(m)		<b>16</b>	10	10
Potassium	ppm	ASTM D5185(m)	>20	<b>7</b>	1	<1

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>NONE</b>	NONE	NONE
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*	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

## Ferrous Alloys



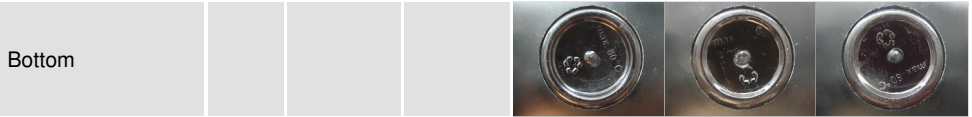
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	<b>32.4</b>	32.8	34.3
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	<b>6.5</b>	6.6	6.8
Viscosity Index (VI)	Scale	ASTM D2270*	168	<b>159</b>	161	161

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

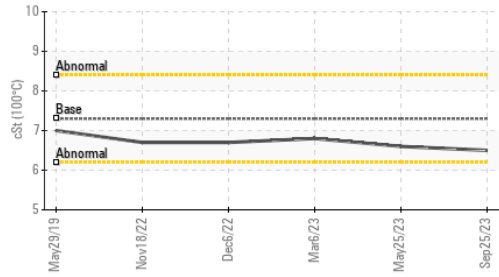
Color



Bottom

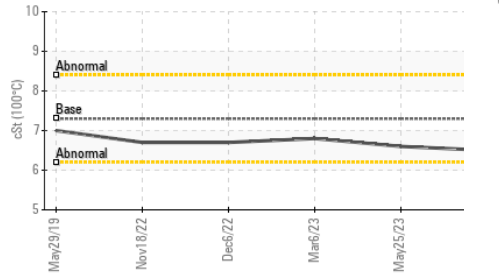


## Viscosity @ 100°C

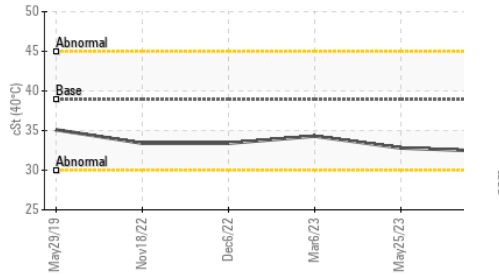


## GRAPHS

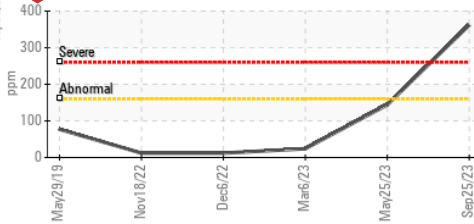
## Viscosity @ 100°C



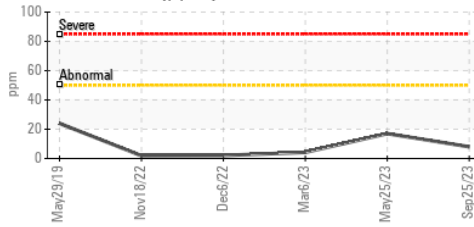
## Viscosity @ 40°C



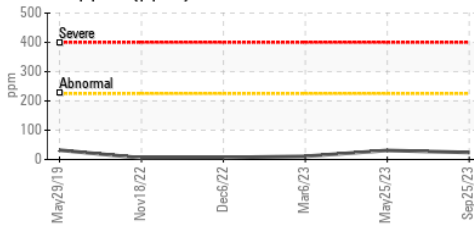
## Iron (ppm)



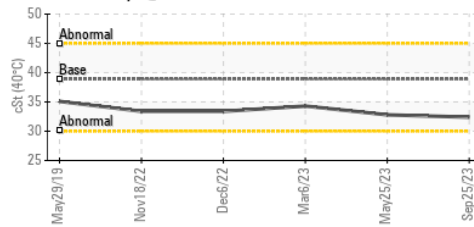
## Aluminum (ppm)



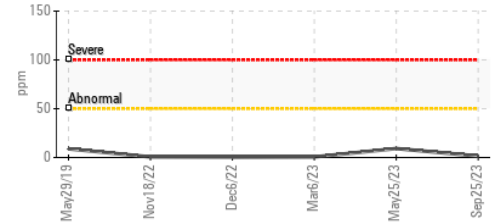
## Copper (ppm)



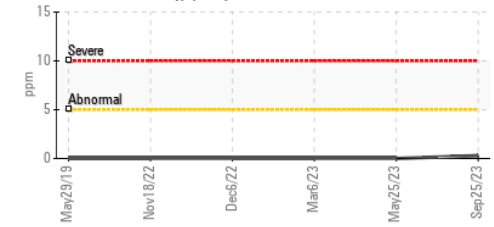
## Viscosity @ 40°C



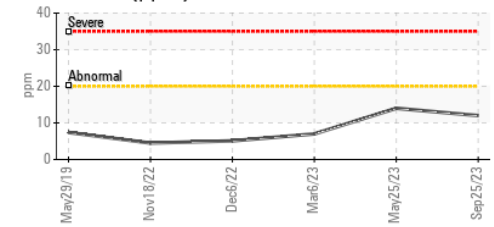
## Lead (ppm)



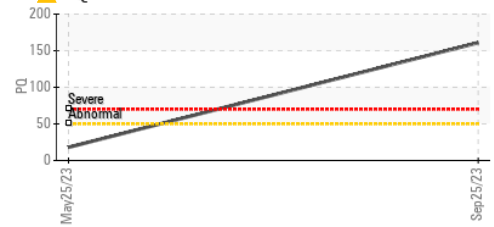
## Chromium (ppm)



## Silicon (ppm)



## PQ



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 737 - Quebec City Hauling  
**Sample No.** : PC0078093 **Received** : 27 Sep 2023  
**Lab Number** : 02585608 **Diagnosed** : 28 Sep 2023  
**Unique Number** : 5646673 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KV100, PQ, 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.

6205 Boul. Wilfrid Hamel,  
 Quebec City, QC  
 CA G2E 5G8  
 Contact: Dave Beaulieu  
 davebeaulieu@matrec.ca

T:  
 F: