

Machine Id  
**EX0259**  
Component  
**Left Planetary**  
Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

### RECOMMENDATION

Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. 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. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqu que ce fluide est du (GENERIC) GEAR OIL SAE 75W90. Veuillez confirmer.

### WEAR

Usure de palier. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

### CONTAMINATION

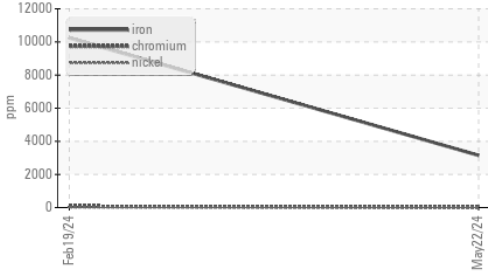
Les niveaux élémentaires de silicone (Si) et d'aluminium (Al) indiquent l'infiltration d'alumine-silicate (grosses particules de poussière). Une grande quantité de saleté a provoqué une usure abrasive du composant.

### FLUID CONDITION

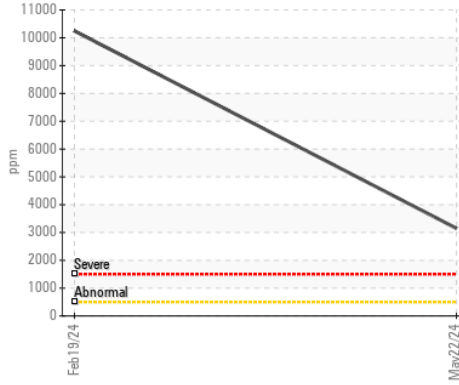
l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0107447</b>	GFL0107441	---
Sample Date		Client Info		<b>22 May 2024</b>	19 Feb 2024	---
Machine Age	kms	Client Info		<b>8540</b>	8342	---
Oil Age	kms	Client Info		<b>250</b>	2000	---
Filter Age	kms	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>SEVERE</b>	SEVERE	---
PQ		ASTM D8184*		<b>424</b>	▲ 2057	---
Iron	ppm	ASTM D5185(m)	>500	▲ <b>3150</b>	▲ 10246	---
Chromium	ppm	ASTM D5185(m)	>10	▲ <b>18</b>	▲ 75	---
Nickel	ppm	ASTM D5185(m)	>10	▲ <b>4</b>	▲ 17	---
Titanium	ppm	ASTM D5185(m)		▲ <b>11</b>	▲ 47	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	● <b>208</b>	● 865	---
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	2	---
Copper	ppm	ASTM D5185(m)	>75	<b>7</b>	25	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	1	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185(m)	>75	▲ <b>941</b>	▲ 3806	---
Potassium	ppm	ASTM D5185(m)	>20	<b>64</b>	266	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	▲ .2%	---
Sodium	ppm	ASTM D5185(m)		<b>71</b>	299	---
Boron	ppm	ASTM D5185(m)	400	<b>157</b>	20	---
Barium	ppm	ASTM D5185(m)	200	<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	12	<b>&lt;1</b>	5	---
Manganese	ppm	ASTM D5185(m)		<b>23</b>	87	---
Magnesium	ppm	ASTM D5185(m)	12	<b>56</b>	202	---
Calcium	ppm	ASTM D5185(m)	150	<b>179</b>	689	---
Phosphorus	ppm	ASTM D5185(m)	1650	<b>1140</b>	666	---
Zinc	ppm	ASTM D5185(m)	125	<b>45</b>	143	---
Sulfur	ppm	ASTM D5185(m)	22500	<b>21355</b>	38509	---
Visc @ 40°C	cSt	ASTM D7279(m)	109	<b>99.3</b>	▲ 173	---

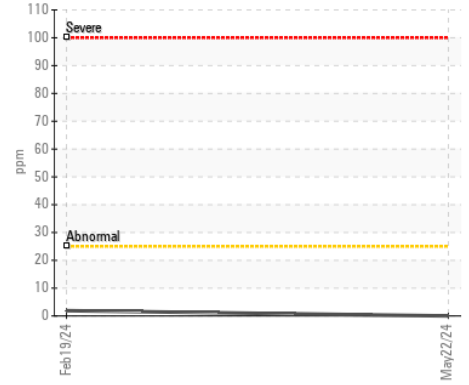
▲ Ferrous Alloys



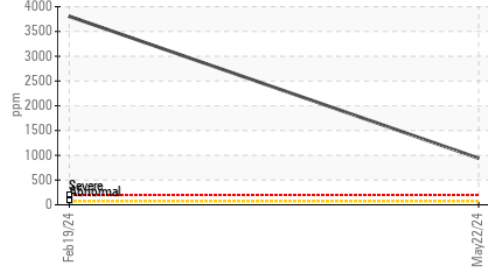
▲ Iron (ppm)



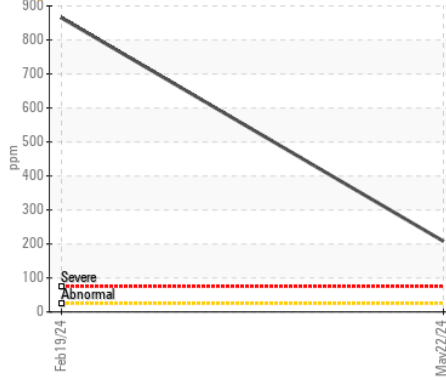
Lead (ppm)



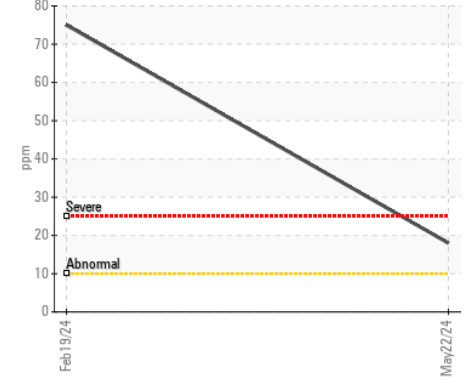
▲ Silicon (ppm)



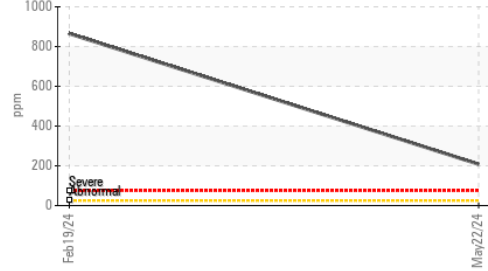
● Aluminum (ppm)



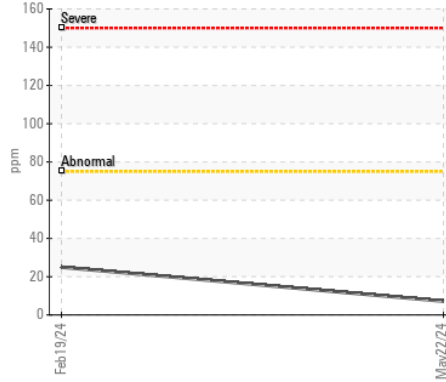
▲ Chromium (ppm)



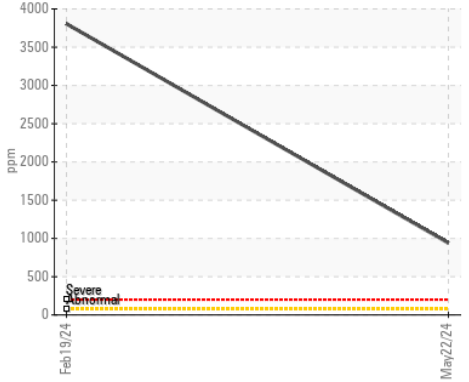
● Aluminum (ppm)



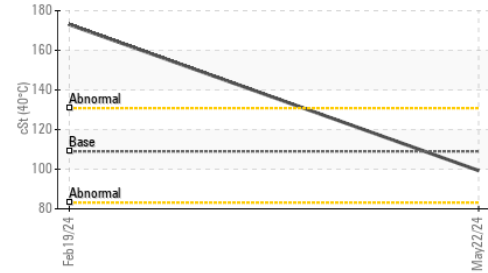
Copper (ppm)



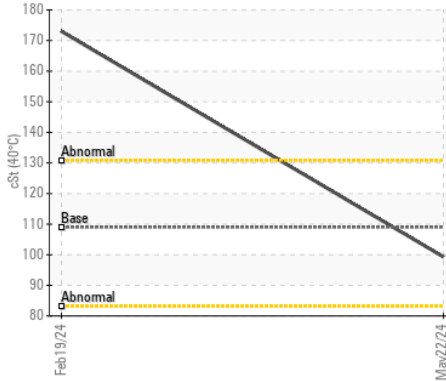
▲ Silicon (ppm)



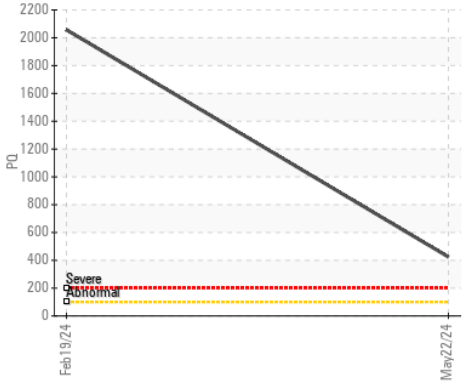
Viscosity @ 40°C



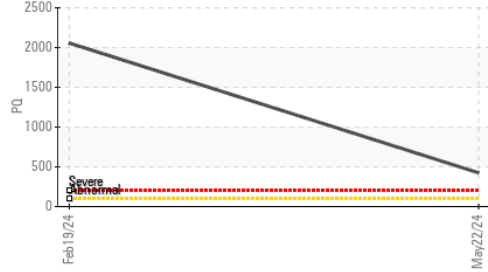
Viscosity @ 40°C



PQ



PQ



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107447 **Received** : 23 May 2024  
**Lab Number** : 02637245 **Tested** : 23 May 2024  
**Unique Number** : 5786407 **Diagnosed** : 24 May 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

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.

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