



Machine Id  
**250-41-3611**

Component  
**Gearbox**

Fluid  
**THERMAL LUBE XL7316 PAO SYNTHETIC GEAR OIL 220 (--- GAL)**



**DIAGNOSIS**

**Recommendation**  
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon. À NOTER: S.V.P. inclure, avec le prochain échantillon, des détails de la capacité du réservoir et le type et le degré de filtration.

**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**  
La viscosité de l'huile est inférieure à la viscosité type, ce qui pourrait indiquer l'ajout d'un grade d'huile plus léger. L'état de l'huile est acceptable pour la durée de service.

**SAMPLE INFORMATION** method limit/base current history1 history2

Sample Number	Client Info	<b>PC0077358</b>	---	---
Sample Date	Client Info	<b>26 Jul 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

**WEAR METALS** method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>200	<b>29</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>0</b>	---	---
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>200	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)	>5	<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>9</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>1</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>3</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>182</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>5</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>3822</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

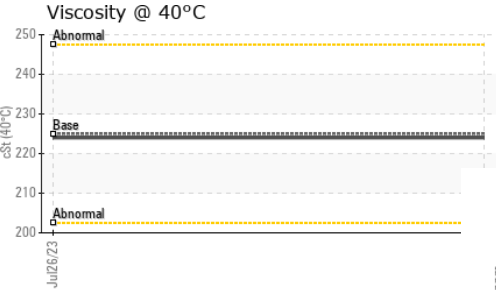
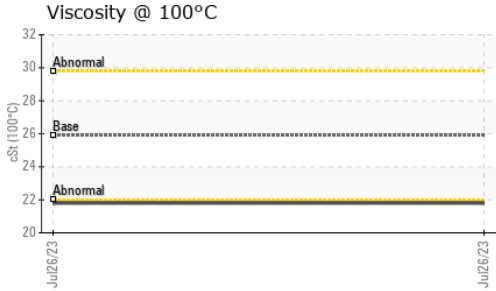
**CONTAMINANTS** method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>50	<b>15</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---

**VISUAL** method limit/base current history1 history2

White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---
Free Water	scalar	Visual*		<b>NEG</b>	---	---

# OIL ANALYSIS REPORT

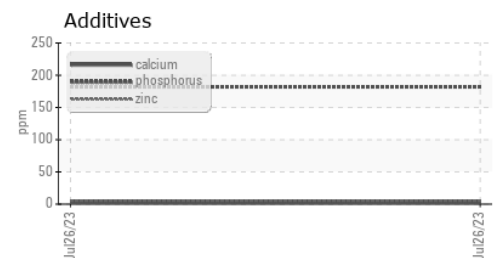
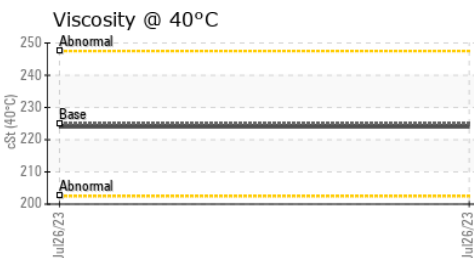
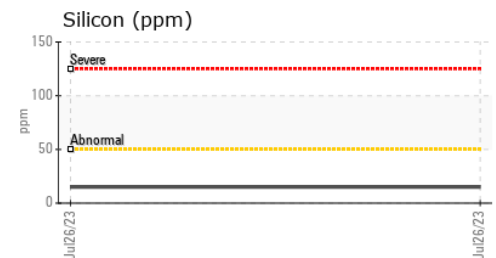
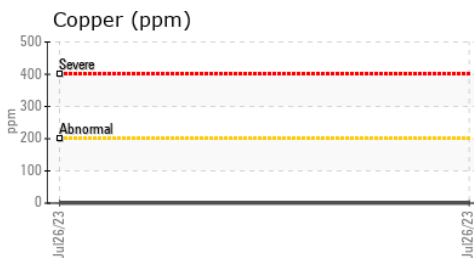
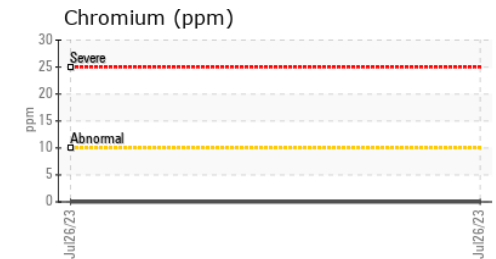
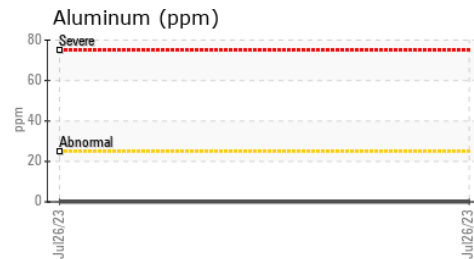
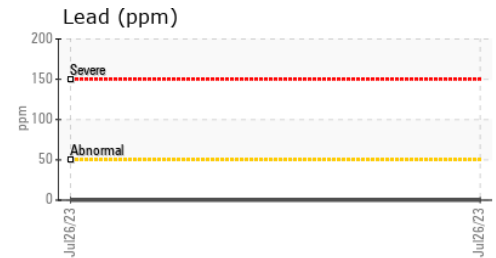
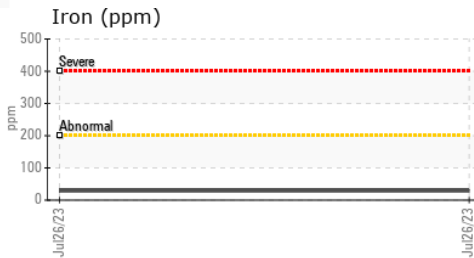


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	225	<b>224</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	25.9	<b>21.8</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	147	<b>117</b>	---	---

## SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0077358 **Received** : 27 Jul 2023  
**Lab Number** : **02572721** **Diagnosed** : 31 Jul 2023  
**Unique Number** : 5617772 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

**NOURYON**  
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 MAGOG, QC  
 CA J1X 3W5  
 Contact: Sandra Lemieux  
 sandra.lemieux@nouryon.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.

T:  
F: