



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**5502-CVD-300**  
 Component  
**Gear Reducer**  
 Fluid  
**MOBIL MOBILGEAR 600 XP 220 (20 LTR)**

## RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0842800</b>	WC0705139	---
Sample Date		Client Info		<b>17 Apr 2024</b>	07 Jul 2022	---
Machine Age	hrs	Client Info		<b>0</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	SEVERE	---

## WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>150	<b>37</b>	58	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>50	<b>0</b>	0	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

Il n'y a aucun indice de contamination dans l'huile.

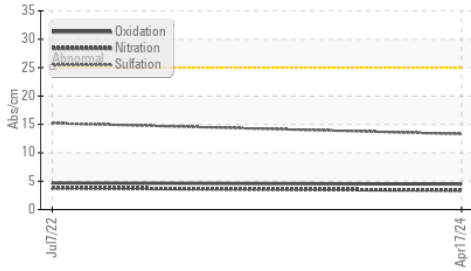
Silicon	ppm	ASTM D5185(m)	>50	<b>0</b>	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*		<b>3.4</b>	3.8	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>13.3</b>	15.2	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</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*	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

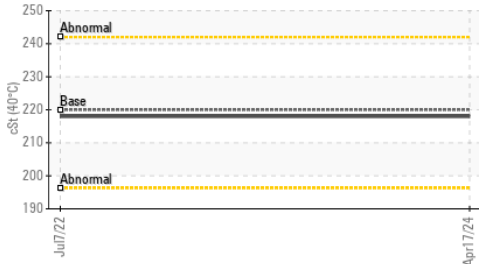
L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Boron	ppm	ASTM D5185(m)		<b>31</b>	32	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185(m)		<b>1</b>	<1	---
Phosphorus	ppm	ASTM D5185(m)		<b>329</b>	315	---
Zinc	ppm	ASTM D5185(m)		<b>15</b>	1	---
Sulfur	ppm	ASTM D5185(m)		<b>14357</b>	15192	---
Oxidation	Abs/.1mm	ASTM D7414*		<b>4.5</b>	4.7	---
Visc @ 40°C	cSt	ASTM D7279(m)	220	<b>218</b>	218	---

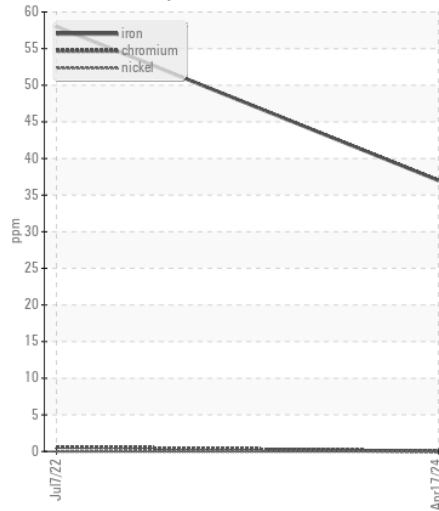
FT-IR (Direct Trend)



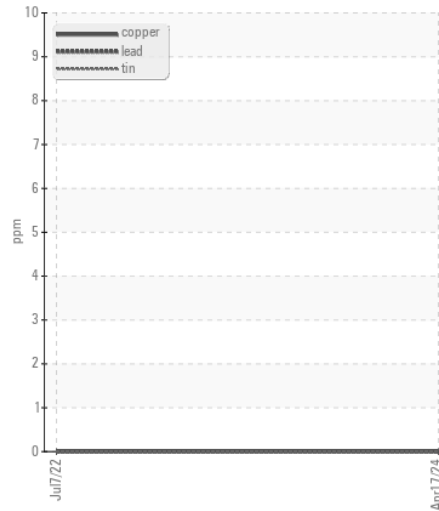
Viscosity @ 40°C



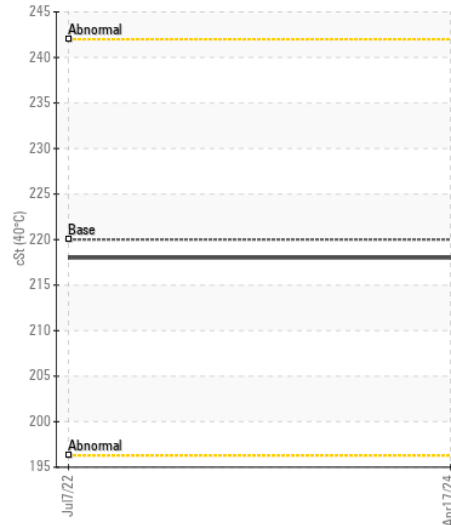
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0842800 **Received** : 02 May 2024  
**Lab Number** : 02632941 **Tested** : 02 May 2024  
**Unique Number** : 5774094 **Diagnosed** : 02 May 2024 - Wes Davis  
**Test Package** : IND 1 ( Additional Tests: FT-IR )

**RTA - ALMA**  
 3000 RUE DES PINS OUEST, BATISSE 7103 MEZZALINE  
 ALMA, QC  
 CA G8B 6T3  
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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.