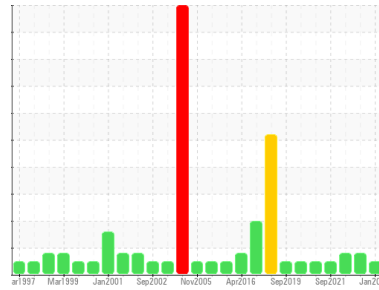




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**MSE**  
 Machine Id  
**41P13 TR-O**

Component  
**Reduction Gear**  
 Fluid  
**MOBIL SHC 630 (30 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

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>WC0866025</b>	WC0756900	WC0681514
Sample Date	Client Info		<b>07 Jan 2024</b>	09 Nov 2022	07 Apr 2022
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >117	<b>46</b>	▲ 152	▲ 159
Chromium	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	1	2
Nickel	ppm	ASTM D5185(m) >2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >11	<b>&lt;1</b>	9	9
Lead	ppm	ASTM D5185(m) >10	<b>1</b>	<1	2
Copper	ppm	ASTM D5185(m) >55	<b>29</b>	48	48
Tin	ppm	ASTM D5185(m) >15	<b>5</b>	9	10
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	<1	<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)	<b>1</b>	3	5
Barium	ppm	ASTM D5185(m)	<b>0</b>	1	2
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	6	6
Manganese	ppm	ASTM D5185(m)	<b>0</b>	1	1
Magnesium	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185(m)	<b>25</b>	<1	1
Phosphorus	ppm	ASTM D5185(m)	<b>406</b>	501	481
Zinc	ppm	ASTM D5185(m)	<b>3</b>	4	4
Sulfur	ppm	ASTM D5185(m)	<b>76</b>	1843	1791
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	2	2

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>16</b>	32	27
Sodium	ppm	ASTM D5185(m)	<b>1</b>	2	2
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	0	<1

## INFRA-RED

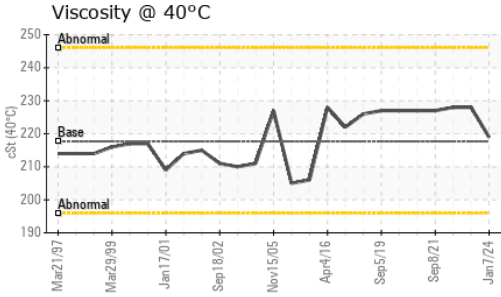
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	<b>4.7</b>	2.7	2.6
Sulfation	Abs.1mm	ASTM D7415*	<b>12.3</b>	26.4	19.7

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs.1mm	ASTM D7414*	<b>3.5</b>	24.6	13.9



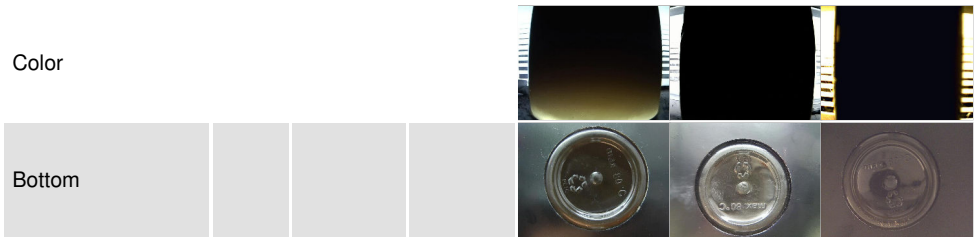
# OIL ANALYSIS REPORT



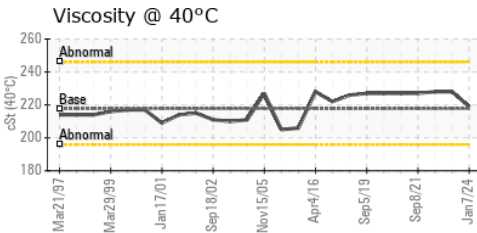
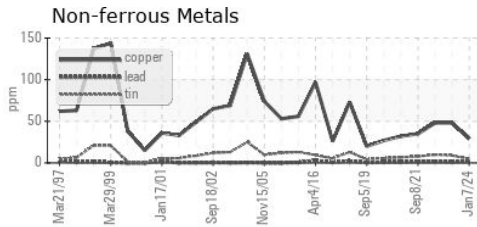
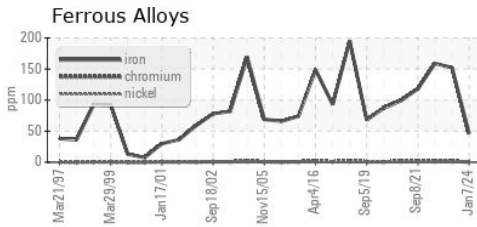
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	217.7	<b>219</b>	228	228

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0866025 **Recieved** : 08 Jan 2024  
**Lab Number** : **02607289** **Diagnosed** : 08 Jan 2024  
**Unique Number** : 5708375 **Diagnostician** : Kevin Marson  
**Test Package** : IND 1 ( Additional Tests: FT-IR )

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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