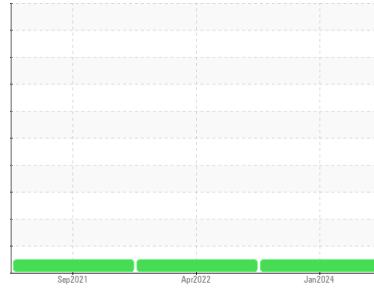




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**MSE**  
 Machine Id  
**41P13-DI-20T**  
 Component  
**Reduction Gear**  
 Fluid  
**MOBIL SHC 630 (30 LTR)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. 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>WC0866026</b>	WC0681517	WC0586185
Sample Date	Client Info			<b>07 Jan 2024</b>	07 Apr 2022	08 Sep 2021
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>	NORMAL	NORMAL

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>53</b>	75	96
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	<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>	<1	1
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	2
Copper	ppm	ASTM D5185(m)	>55	<b>31</b>	44	48
Tin	ppm	ASTM D5185(m)	>15	<b>2</b>	3	3
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
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>&lt;1</b>	2	1
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	3
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Calcium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	2
Phosphorus	ppm	ASTM D5185(m)		<b>31</b>	35	37
Zinc	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	2
Sulfur	ppm	ASTM D5185(m)		<b>1035</b>	1231	1173
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

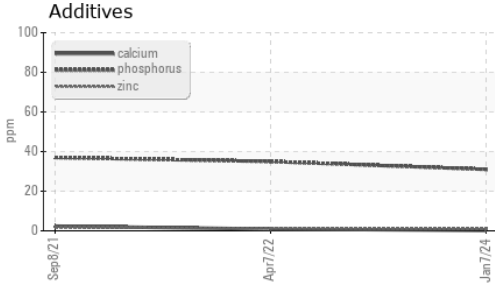
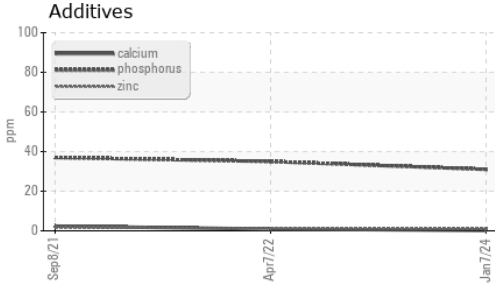
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>10</b>	10	11
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*		<b>3.0</b>	2.5	3.0
Sulfation	Abs/.1mm	ASTM D7415*		<b>38.0</b>	17.2	37.8

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		<b>43.2</b>	10.3	42.9



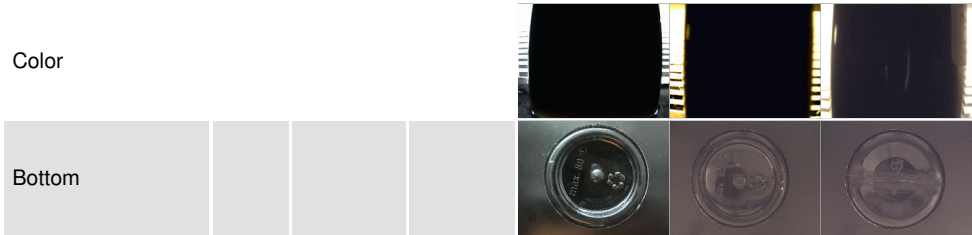
# OIL ANALYSIS REPORT



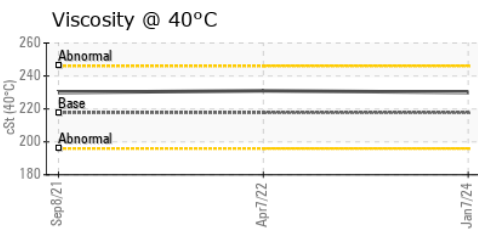
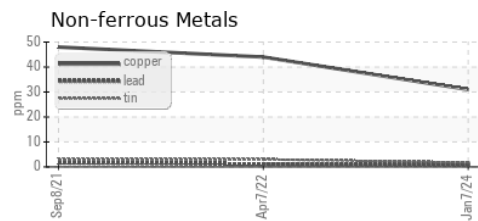
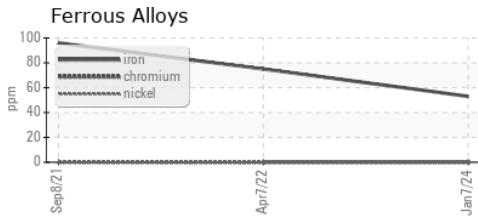
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	LIGHT
Debris	scalar	Visual*	NONE	VLITE	LIGHT
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	217.7	230	231

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.** : WC0866026      **Recieved** : 08 Jan 2024  
**Lab Number** : 02607291      **Diagnosed** : 09 Jan 2024  
**Unique Number** : 5708377      **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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