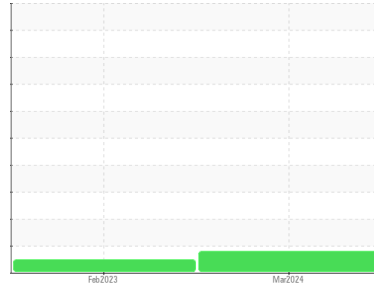




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
41P11-DI-20T

Component
Reduction Gear

Fluid
MOBIL SHC 630 (30 LTR)

DIAGNOSIS

▲ Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

▲ Wear

Usure de palier et (ou) de douille.

Contamination

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

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0912847	WC0760690	---
Sample Date	Client Info		20 Mar 2024	02 Feb 2023	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>117	39	26	---
Chromium	ppm	ASTM D5185(m)	>2	0	0	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>11	9	7	---
Lead	ppm	ASTM D5185(m)	>10	2	<1	---
Copper	ppm	ASTM D5185(m)	>55	76	37	---
Tin	ppm	ASTM D5185(m)	>15	14	8	---
Antimony	ppm	ASTM D5185(m)	>5	0	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		2	3	---
Barium	ppm	ASTM D5185(m)		<1	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		<1	0	---
Calcium	ppm	ASTM D5185(m)		10	6	---
Phosphorus	ppm	ASTM D5185(m)		369	417	---
Zinc	ppm	ASTM D5185(m)		6	6	---
Sulfur	ppm	ASTM D5185(m)		418	275	---
Lithium	ppm	ASTM D5185(m)		2	2	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>50	37	35	---
Sodium	ppm	ASTM D5185(m)		<1	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<1	0	---

INFRA-RED

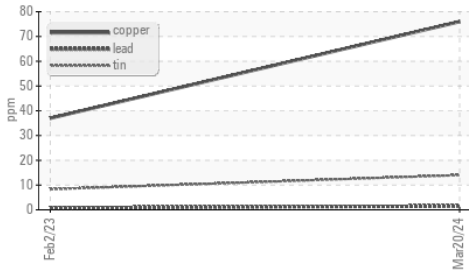
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*		4.5	3.2	---
Sulfation	Abs.1mm	ASTM D7415*		17.8	13.5	---

FLUID DEGRADATION

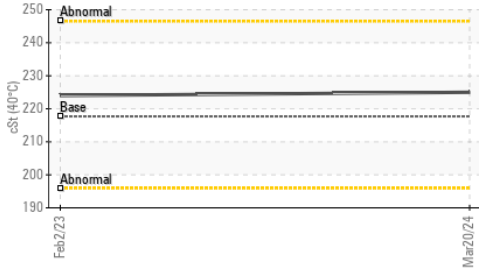
	method	limit/base	current	history1	history2	
Oxidation	Abs.1mm	ASTM D7414*		12.7	4.8	---

OIL ANALYSIS REPORT

▲ Non-ferrous Metals



Viscosity @ 40°C



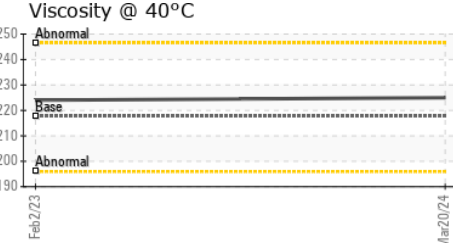
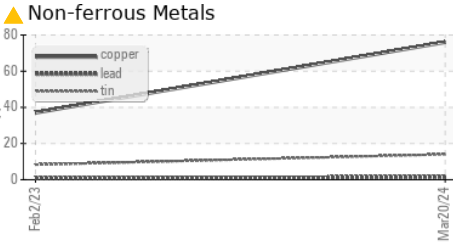
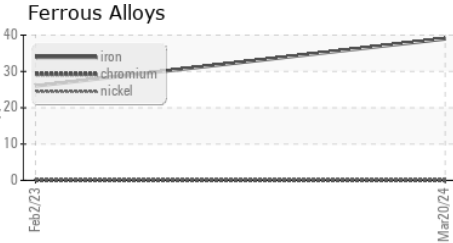
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	VLITE
Appearance	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	225	224

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0912847 **Received** : 27 Mar 2024
Lab Number : **02625058** **Tested** : 28 Mar 2024
Unique Number : 5750177 **Diagnosed** : 28 Mar 2024 - 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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