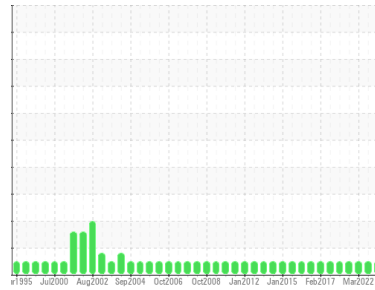




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**Centre de coulé**  
 Machine Id  
**47-1014-01 TR-E**

Component  
**Reduction Gear**  
 Fluid  
**MOBIL MOBILGEAR 600 XP 320 (40 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>WC0841187</b>	WC0756898	WC0631451
Sample Date	Client Info			<b>30 Aug 2023</b>	06 Feb 2023	09 Mar 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>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>117	<b>32</b>	30	31
Chromium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>11	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>55	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185(m)	>5	<b>2</b>	2	2
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

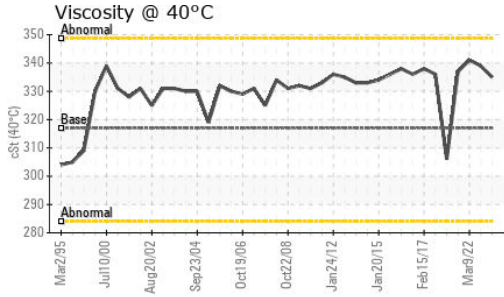
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	32	<b>46</b>	47	48
Barium	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)	0.0	<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185(m)	0.4	<b>3</b>	2	1
Calcium	ppm	ASTM D5185(m)	1.8	<b>8</b>	6	8
Phosphorus	ppm	ASTM D5185(m)	308	<b>259</b>	260	252
Zinc	ppm	ASTM D5185(m)	0.3	<b>10</b>	8	8
Sulfur	ppm	ASTM D5185(m)	16666	<b>7990</b>	7959	7944
Lithium	ppm	ASTM D5185(m)		<b>15</b>	15	16

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>26</b>	25	25
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
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>3.5</b>	1.9	2.8
Sulfation	Abs/.1mm	ASTM D7415*		<b>15.5</b>	7.7	12.9

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		<b>3.9</b>	2.5	4.0

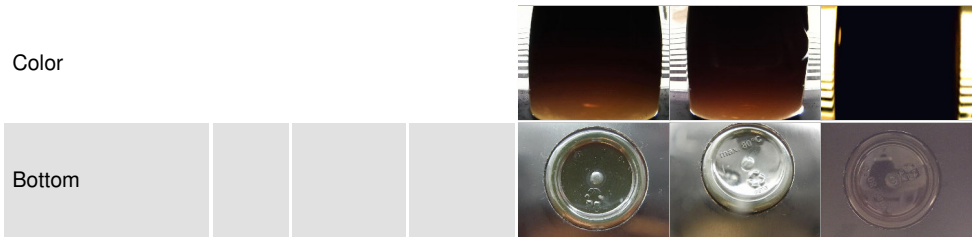
# OIL ANALYSIS REPORT



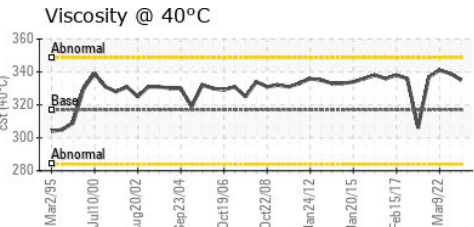
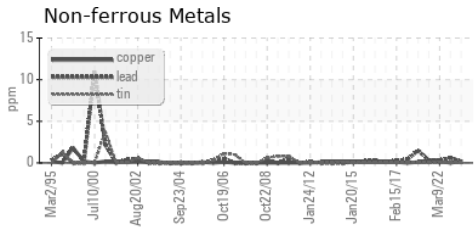
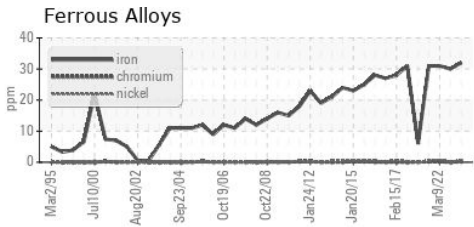
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	317	<b>335</b>	339

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.** : WC0841187 **Received** : 05 Sep 2023  
**Lab Number** : **02580479** **Diagnosed** : 06 Sep 2023  
**Unique Number** : 5633539 **Diagnostician** : Wes Davis  
**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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