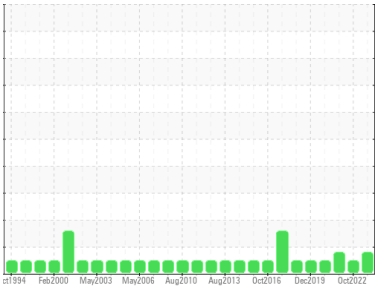
PROBLEM SUMMARY

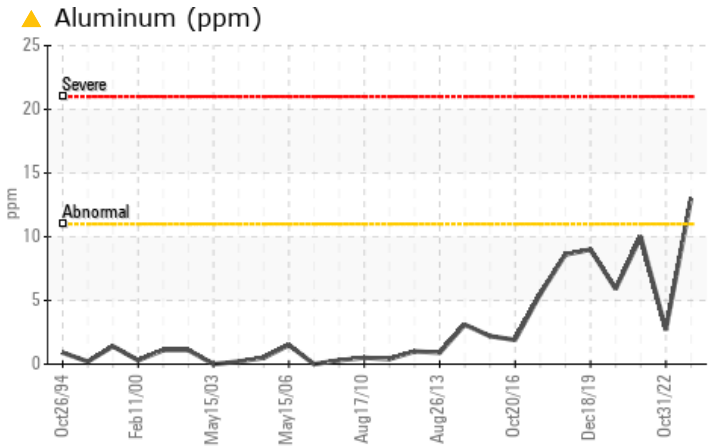
Sample Rating Trend



WEAR

Area
S.O.P
Machine Id
42-2001-01
Component
Reduction Gear
Fluid
MOBIL MOBILGEAR SHC 220 (30 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Aucune mesure corrective n`est recommandée pour l`instant. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	NORMAL	ABNORMAL
Aluminum	ppm	ASTM D5185(m)	>11	▲ 13	3	10

Customer Id: ALCBAI
Sample No.: WC0802220
Lab Number: 02559088
Test Package: IND 1

To manage this report scan the QR code

To discuss the diagnosis or test data:
Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	MISSED	Nov 22 2023	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

31 Oct 2022 Diag: Kevin Marson

NORMAL

Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.Les taux d`usure de tous les composants sont normaux. Il n`y a aucun indice de contamination dans l`huile. L`état de l`huile est acceptable pour la durée de service.

view report

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05 Apr 2022 Diag: Kevin Marson

WEAR

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.Le taux de fer est anormal. Usure des engrenages. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion. Il n`y a aucun indice de contamination dans l`huile. l`huile n'est plus en état de service en raison d'une usure anomale et/ou sévère.

view report

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30 Nov 2020 Diag: Wes Davis

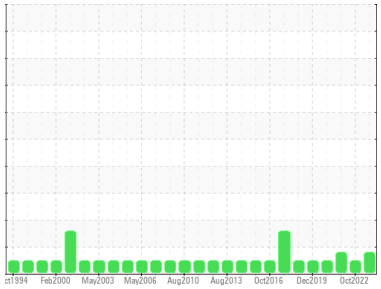
NORMAL

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans le l'huile. L'état de l'huile est acceptable pour la durée de service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
S.O.P
Machine Id
42-2001-01
Component
Reduction Gear
Fluid
MOBIL MOBILGEAR SHC 220 (30 LTR)

DIAGNOSIS

Recommendation

Aucune mesure corrective n`est recommandée pour l`instant. Nous vous recommandons d`échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear

Nous avons noté une brusque augmentation du taux d`aluminium. Les taux d`usure de tous les autres 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		**WC0802220**	WC0744051	WC0681518
Sample Date		Client Info		**17 May 2023**	31 Oct 2022	05 Apr 2022
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ATTENTION**	NORMAL	ABNORMAL

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>117	**111**	30	▲ 171
Chromium	ppm	ASTM D5185(m)	>2	**2**	<1	2
Nickel	ppm	ASTM D5185(m)	>2	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)		**<1**	<1	0
Silver	ppm	ASTM D5185(m)		**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>11	▲ **13**	3	10
Lead	ppm	ASTM D5185(m)	>10	**0**	0	0
Copper	ppm	ASTM D5185(m)	>55	**4**	<1	3
Tin	ppm	ASTM D5185(m)	>15	**0**	0	<1
Antimony	ppm	ASTM D5185(m)	>5	**<1**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

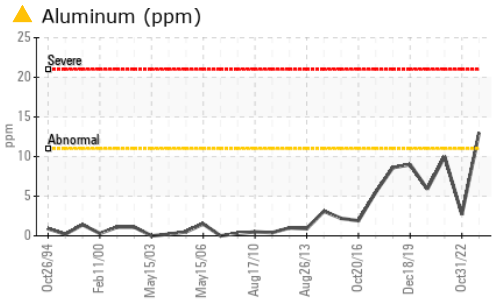
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**<1**	2	8
Barium	ppm	ASTM D5185(m)		**<1**	<1	0
Molybdenum	ppm	ASTM D5185(m)		**0**	0	0
Manganese	ppm	ASTM D5185(m)		**<1**	<1	1
Magnesium	ppm	ASTM D5185(m)		**0**	0	0
Calcium	ppm	ASTM D5185(m)		**0**	<1	<1
Phosphorus	ppm	ASTM D5185(m)		**434**	454	476
Zinc	ppm	ASTM D5185(m)		**5**	4	31
Sulfur	ppm	ASTM D5185(m)		**1859**	1994	2441
Lithium	ppm	ASTM D5185(m)		**2**	2	<1

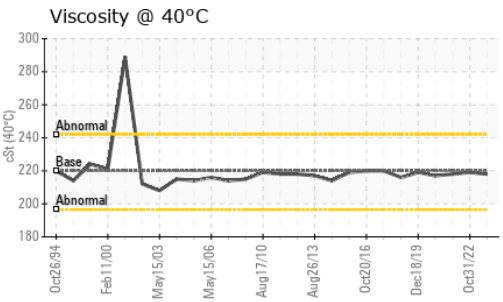
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	**11**	19	20
Sodium	ppm	ASTM D5185(m)		**1**	<1	1
Potassium	ppm	ASTM D5185(m)	>20	**0**	0	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		**0**	0	0
Nitration	Abs/cm	ASTM D7624*		**3.0**	2.9	2.5
Sulfation	Abs/.1mm	ASTM D7415*		**47.1**	35.1	24.2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*		**55.7**	34.3	20.7

OIL ANALYSIS REPORT

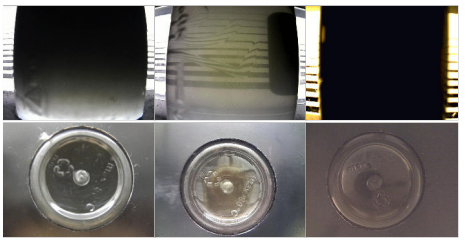




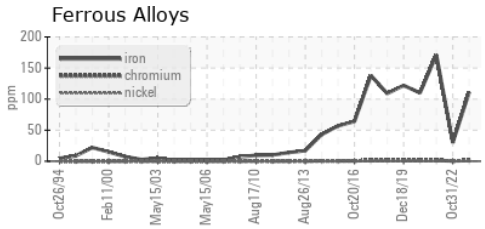
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**NONE**	NONE	NONE
Sand/Dirt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

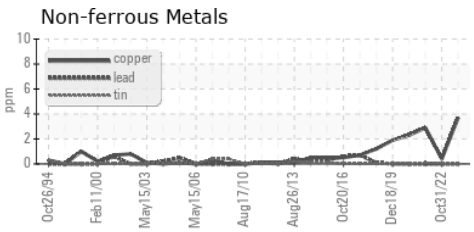
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	**218**	219	218

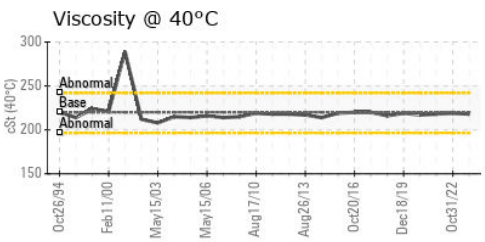
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS







ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0802220 **Received** : 23 May 2023
Lab Number : 02559088 **Diagnosed** : 24 May 2023
Unique Number : 5580128 **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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