



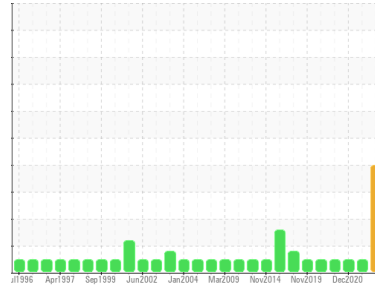
PROBLEM SUMMARY

Sample Rating Trend

WEAR

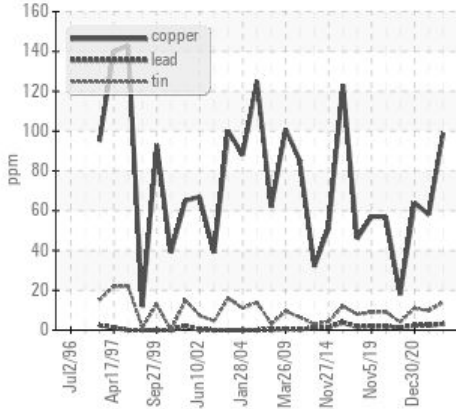


Area
MSE
 Machine Id
41P06 TR-E
 Component
Reduction Gear
 Fluid
MOBIL SHC 630 (30 LTR)

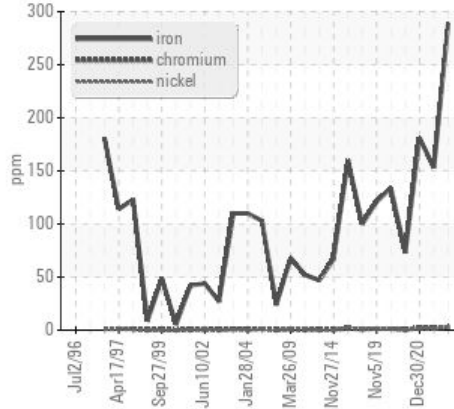


COMPONENT CONDITION SUMMARY

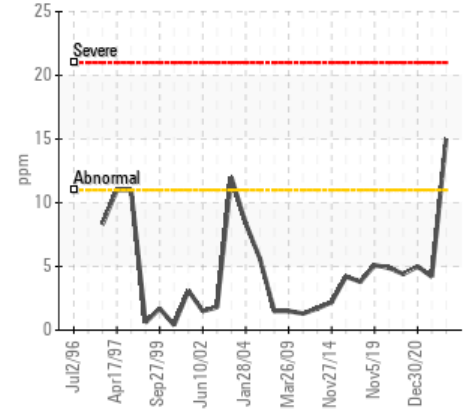
▲ Non-ferrous Metals



▲ Ferrous Alloys



▲ Aluminum (ppm)



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.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m) >117	▲ 289	153	181
Chromium	ppm	ASTM D5185(m) >2	▲ 3	2	2
Nickel	ppm	ASTM D5185(m) >2	▲ 3	2	2
Aluminum	ppm	ASTM D5185(m) >11	▲ 15	4	5
Copper	ppm	ASTM D5185(m) >55	▲ 99	58	64

Customer Id: ALCBAI
 Sample No.: WC0866021
 Lab Number: 02601033
 Test Package: IND 1



To manage this report scan the QR code

To discuss the diagnosis or test data:
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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
Change Fluid	---	---	?	Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

26 Jul 2021 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 le l'huile. L'état de l'huile est acceptable pour la durée de service.

view report



30 Dec 2020 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 le l'huile. L'état de l'huile est acceptable pour la durée de service.

view report



12 Aug 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.

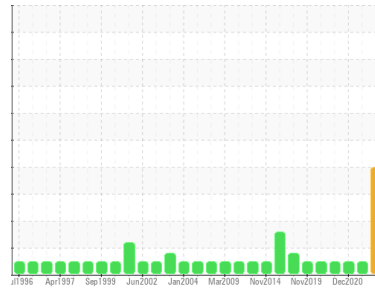
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area
MSE
 Machine Id
41P06 TR-E
 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. Le bas indice ferreux (PQ) indique que l'usure ferreuse est due à de la corrosion.

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	WC0866021	WC0577734	WC0530515
Sample Date	Client Info	01 Dec 2023	26 Jul 2021	30 Dec 2020
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	NORMAL	NORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	88	17	44
Iron	ppm ASTM D5185(m) >117	▲ 289	153	181
Chromium	ppm ASTM D5185(m) >2	▲ 3	2	2
Nickel	ppm ASTM D5185(m) >2	▲ 3	2	2
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	<1	0	<1
Aluminum	ppm ASTM D5185(m) >11	▲ 15	4	5
Lead	ppm ASTM D5185(m) >10	3	2	2
Copper	ppm ASTM D5185(m) >55	▲ 99	58	64
Tin	ppm ASTM D5185(m) >15	14	10	11
Antimony	ppm ASTM D5185(m) >5	0	0	<1
Vanadium	ppm ASTM D5185(m)	0	<1	<1
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)	2	2	2
Barium	ppm ASTM D5185(m)	0	0	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)	<1	<1	<1
Phosphorus	ppm ASTM D5185(m)	420	488	462
Zinc	ppm ASTM D5185(m)	2	2	2
Sulfur	ppm ASTM D5185(m)	244	203	155
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	16	13	14
Sodium	ppm ASTM D5185(m)	3	<1	2
Potassium	ppm ASTM D5185(m) >20	0	<1	0

INFRA-RED

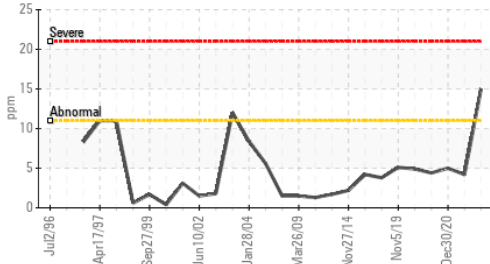
method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	0	0	0
Nitration	Abs/cm ASTM D7624*	4.7	4.7	4.7
Sulfation	Abs/.1mm ASTM D7415*	13.5	13.9	13.6

FLUID DEGRADATION

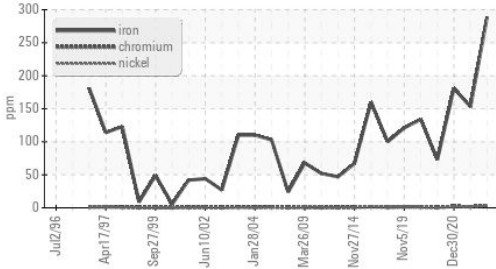
method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414*	5.4	5.7	5.5

OIL ANALYSIS REPORT

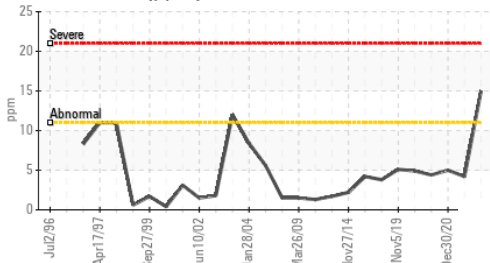
▲ Aluminum (ppm)



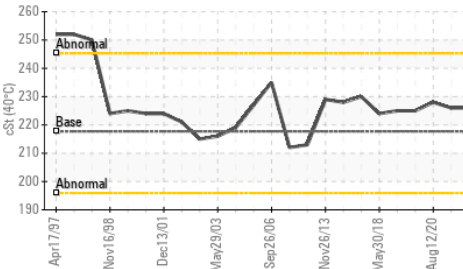
▲ Ferrous Alloys



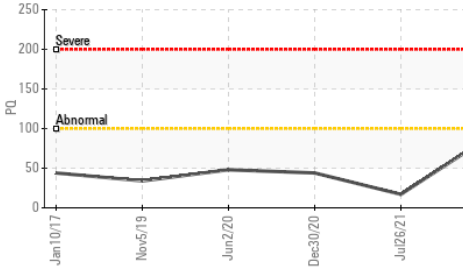
▲ Aluminum (ppm)



Viscosity @ 40°C



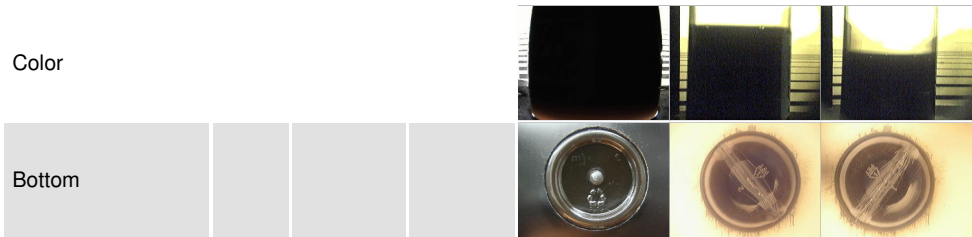
PQ



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

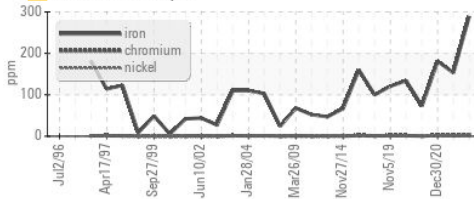
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	217.7	228	226

SAMPLE IMAGES	method	limit/base	current	history1	history2
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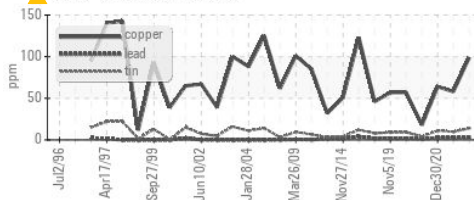


GRAPHS

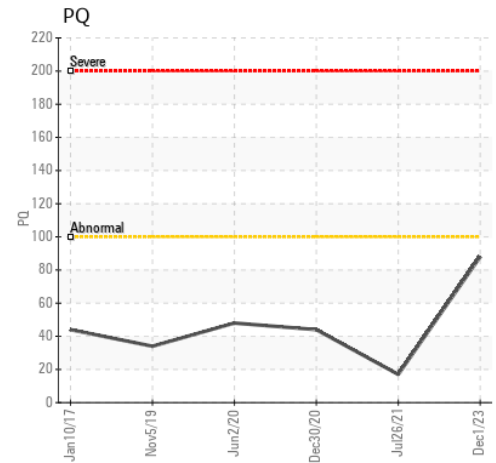
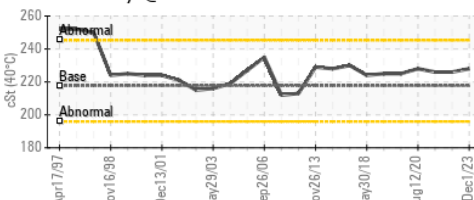
▲ Ferrous Alloys



▲ Non-ferrous Metals



Viscosity @ 40°C



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0866021 **Received** : 05 Dec 2023
Lab Number : 02601033 **Diagnosed** : 07 Dec 2023
Unique Number : 5694118 **Diagnostician** : Kevin Marson
Test Package : IND 1 (Additional Tests: FT-IR, PQ)

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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