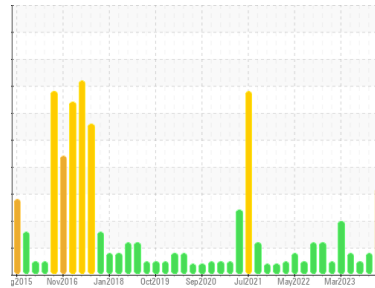




PROBLEM SUMMARY

Sample Rating Trend



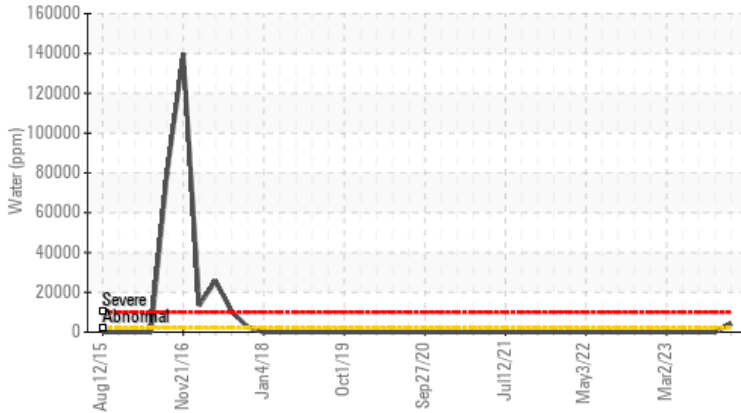
WATER



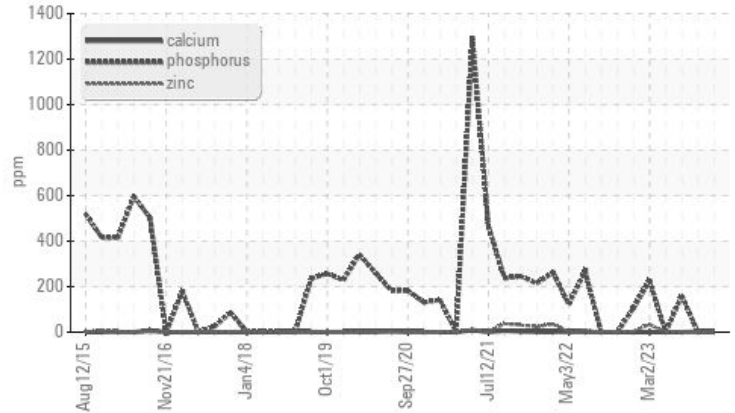
Area
[21997445]
 Machine Id
129-168 Agitator Gearbox (S/N 422 901 118-001-1)
 Component
Gearbox
 Fluid
MOBIL GLYGOYLE HE ISO 460 (90 LTR)

COMPONENT CONDITION SUMMARY

▲ Water (KF)



▲ Additives



RECOMMENDATION

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ATTENTION	NORMAL
Phosphorus	ppm	ASTM D5185(m)	550	▲ <1	▲ 0	160
Sulfur	ppm	ASTM D5185(m)	550	▲ 69	▲ 0	281
Water	%	ASTM D6304*	>0.2	▲ 0.425	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 4252.7	---	---
Appearance	scalar	Visual*	NORML	▲ WGOIL	NORML	NORML

Customer Id: FLASTS
 Sample No.: WC0813440
 Lab Number: 02590392
 Test Package: IND 2



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	---	---	?	We recommend an early resample to monitor this condition.
Check Breathers	---	---	?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Check Fluid Source	---	---	?	Confirm the source of the lubricant being utilized for top-up/fill.
Check Water Access	---	---	?	We advise that you check for the source of water entry.
Check Seals	---	---	?	Check seals and/or filters for points of contaminant entry.
Filter Fluid	---	---	?	We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil.

HISTORICAL DIAGNOSIS

03 Aug 2023 Diag: Kevin Marson

ADDITIVES



Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



08 Jun 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



24 Apr 2023 Diag: Kevin Marson

ADDITIVES



Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

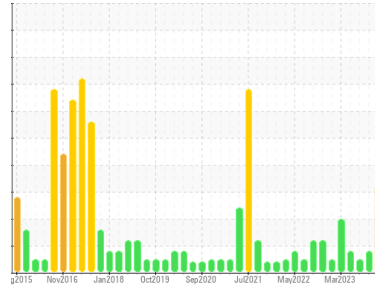
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
[21997445]
 Machine Id
129-168 Agitator Gearbox (S/N 422 901 118-001-1)
 Component
Gearbox
 Fluid
MOBIL GLYGOYLE HE ISO 460 (90 LTR)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We advise that you use off-line filtration with water adsorbent filters to attempt to remove the water from this oil. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0813440	WC0840178	WC0813431
Sample Date	Client Info	05 Oct 2023	03 Aug 2023	08 Jun 2023
Machine Age	mths Client Info	0	0	0
Oil Age	mths Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ATTENTION	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	0	0
Iron	ppm ASTM D5185(m) >200	0	<1	<1
Chromium	ppm ASTM D5185(m) >15	0	2	0
Nickel	ppm ASTM D5185(m) >15	<1	0	0
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	<1	0	0
Aluminum	ppm ASTM D5185(m) >25	0	0	0
Lead	ppm ASTM D5185(m) >100	0	5	0
Copper	ppm ASTM D5185(m) >200	0	2	0
Tin	ppm ASTM D5185(m) >25	0	2	0
Antimony	ppm ASTM D5185(m) >5	0	2	<1
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) 0	<1	0	<1
Barium	ppm ASTM D5185(m) 0	<1	2	0
Molybdenum	ppm ASTM D5185(m) 0	0	3	0
Manganese	ppm ASTM D5185(m) 0	0	0	0
Magnesium	ppm ASTM D5185(m) 4	0	0	<1
Calcium	ppm ASTM D5185(m) 0	<1	2	0
Phosphorus	ppm ASTM D5185(m) 550	<1	0	160
Zinc	ppm ASTM D5185(m) 0	<1	0	<1
Sulfur	ppm ASTM D5185(m) 550	69	0	281
Lithium	ppm ASTM D5185(m)	<1	0	<1

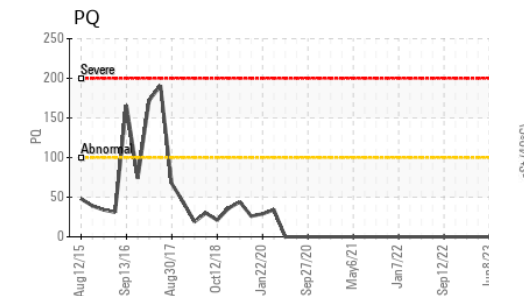
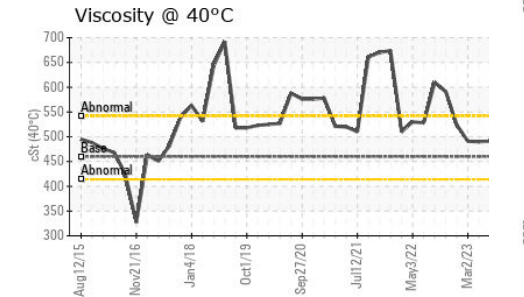
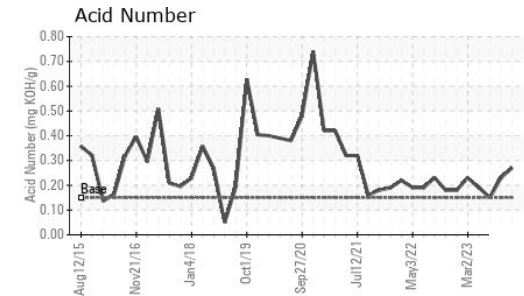
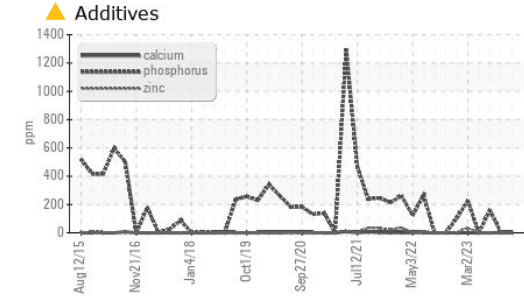
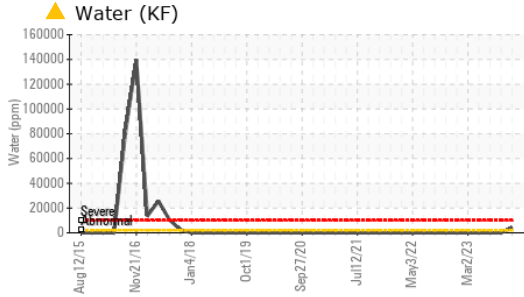
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >50	0	0	<1
Sodium	ppm ASTM D5185(m)	4	3	3
Potassium	ppm ASTM D5185(m) >20	0	0	0
Water	% ASTM D6304* >0.2	0.425	---	---
ppm Water	ppm ASTM D6304* >2000	4252.7	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.15	0.27	0.23	0.15

OIL ANALYSIS REPORT



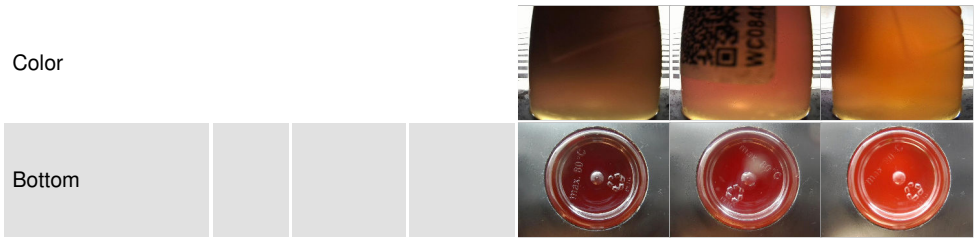
Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0813440 **Received** : 19 Oct 2023
Lab Number : 02590392 **Diagnosed** : 20 Oct 2023
Unique Number : 5659458 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KF, TAN Man)

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.

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	▲ WGOIL	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	460	494	493

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS

