



PROBLEM SUMMARY

Sample Rating Trend



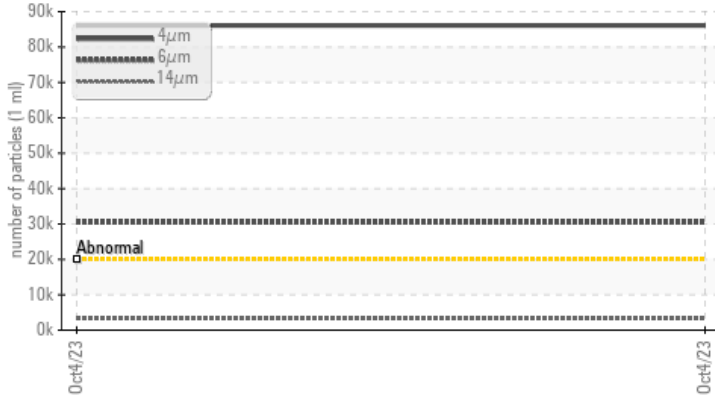
ISO



Machine Id
AF12-130-M61185 WET FLAKE CHAIN CONVEYOR 1 MOTOR 2
 Component
Drive End Gearbox
 Fluid
MOBIL MOBILGEAR SHC 150 (50 LTR)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	---	---
Particles >4µm	ASTM D7647	>20000	▲ 86057	---	---
Particles >6µm	ASTM D7647	>5000	▲ 30459	---	---
Particles >14µm	ASTM D7647	>640	▲ 3220	---	---
Particles >21µm	ASTM D7647	>160	▲ 897	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 24/22/19	---	---

Customer Id: ARAGRAUS
 Sample No.: WC0859315
 Lab Number: 05996712
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

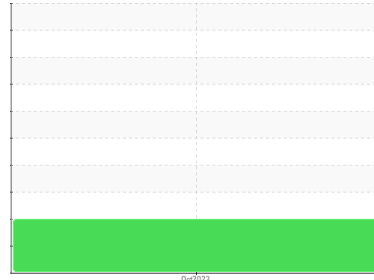
Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
AF12-130-M61185 WET FLAKE CHAIN CONVEYOR 1 MOTOR 2
 Component
Drive End Gearbox
 Fluid
MOBIL MOBILGEAR SHC 150 (50 LTR)

DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The water content is negligible.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0859315	---	---
Sample Date	Client Info		04 Oct 2023	---	---
Machine Age	mths	Client Info	66	---	---
Oil Age	mths	Client Info	1	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184		29	---	---
Iron	ppm	ASTM D5185m >200	7	---	---
Chromium	ppm	ASTM D5185m >15	<1	---	---
Nickel	ppm	ASTM D5185m >15	0	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	<1	---	---
Lead	ppm	ASTM D5185m >100	0	---	---
Copper	ppm	ASTM D5185m >200	0	---	---
Tin	ppm	ASTM D5185m >25	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	0	---	---
Magnesium	ppm	ASTM D5185m	<1	---	---
Calcium	ppm	ASTM D5185m	14	---	---
Phosphorus	ppm	ASTM D5185m	415	---	---
Zinc	ppm	ASTM D5185m	0	---	---
Sulfur	ppm	ASTM D5185m	2284	---	---

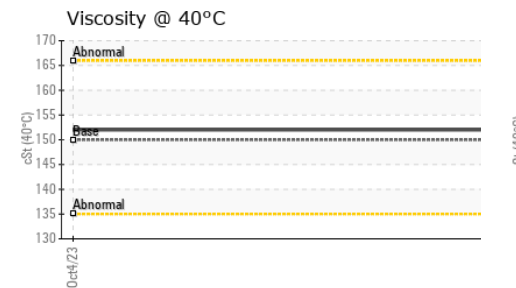
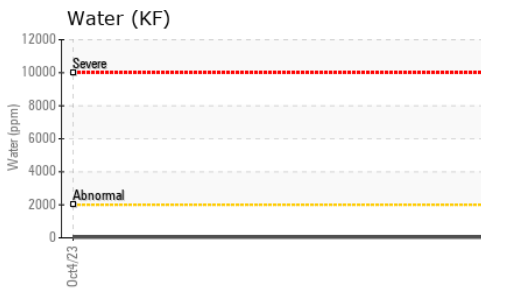
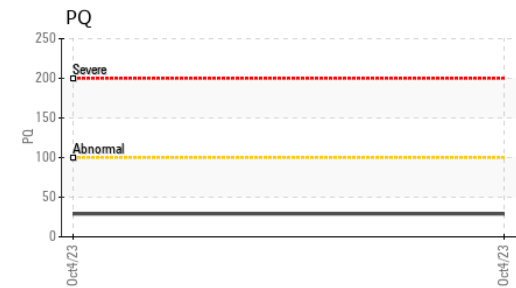
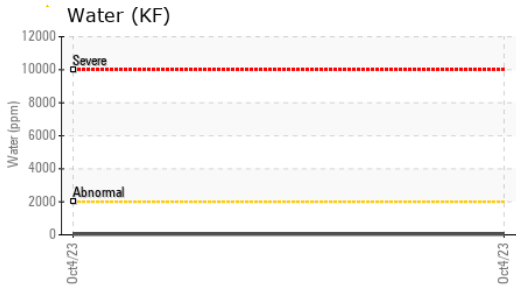
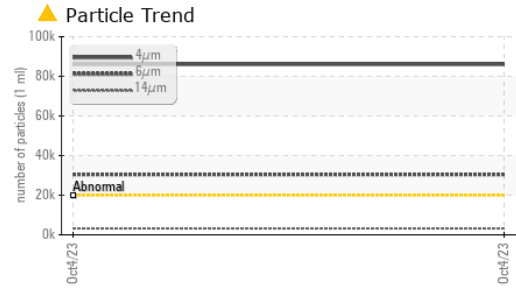
CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	24	---	---
Sodium	ppm	ASTM D5185m	0	---	---
Potassium	ppm	ASTM D5185m >20	1	---	---
Water	%	ASTM D6304 >0.2	0.003	---	---
ppm Water	ppm	ASTM D6304 >2000	38.4	---	---

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	▲ 86057	---	---
Particles >6µm	ASTM D7647	>5000	▲ 30459	---	---
Particles >14µm	ASTM D7647	>640	▲ 3220	---	---
Particles >21µm	ASTM D7647	>160	▲ 897	---	---
Particles >38µm	ASTM D7647	>40	32	---	---
Particles >71µm	ASTM D7647	>10	2	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 24/22/19	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.91	---	---



OIL ANALYSIS REPORT



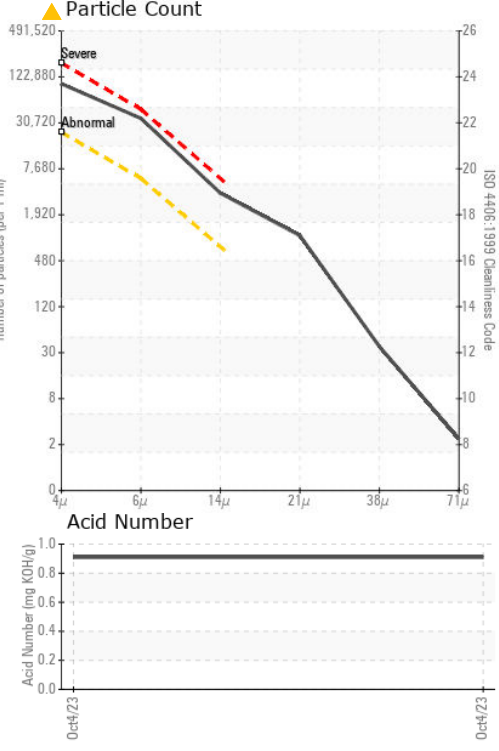
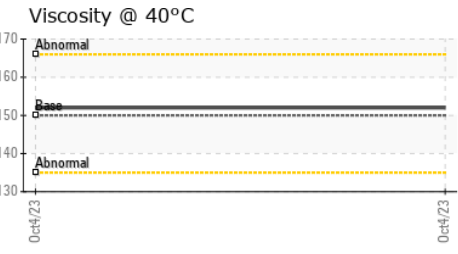
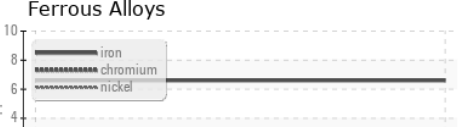
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	150	152	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0859315 **Received** : 02 Nov 2023
Lab Number : **05996712** **Diagnosed** : 03 Nov 2023
Unique Number : 10725072 **Diagnostician** : Wes Davis
Test Package : PLANT

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To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)