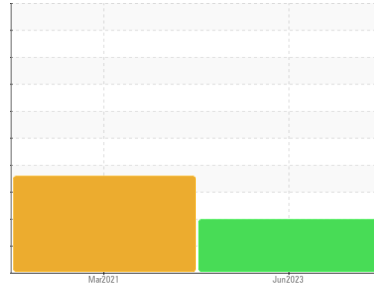




PROBLEM SUMMARY

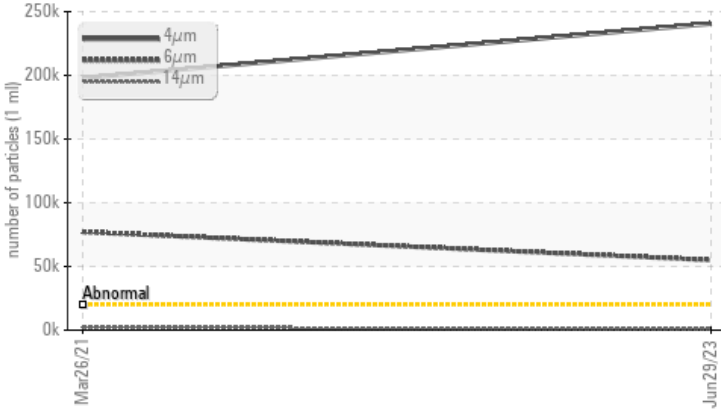
Area
[23211051]
 Machine Id
B21613 - 6 (S/N 69700021)
 Component
Gearbox
 Fluid
JAX MAGNA-PLATE 85W140-FG (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	SEVERE	---
Particles >4µm	ASTM D7647	>20000	▲ 240547	● 198027	---
Particles >6µm	ASTM D7647	>5000	▲ 54991	● 77053	---
Particles >14µm	ASTM D7647	>640	▲ 1165	▲ 2095	---
Particles >21µm	ASTM D7647	>160	▲ 176	▲ 311	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 25/23/17	● 25/23/18	---

Customer Id: HORBEL
 Sample No.: WC0799732
 Lab Number: 05901272
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Filter Fluid	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS

26 Mar 2021 Diag: Angela Borella

ISO



We recommend to filter the oil if applicable. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

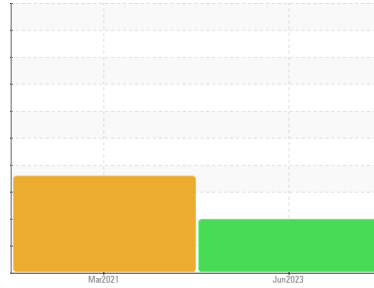
view report





OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
[23211051]
 Machine Id
B21613 - 6 (S/N 69700021)
 Component
Gearbox
 Fluid
JAX MAGNA-PLATE 85W140-FG (--- GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0799732	WC0427248	---
Sample Date	Client Info	29 Jun 2023	26 Mar 2021	---
Machine Age	yrs Client Info	0	0	---
Oil Age	yrs Client Info	1	1	---
Oil Changed	Client Info	Not Changed	Not Changed	---
Sample Status		ABNORMAL	SEVERE	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >200	5	3	---
Chromium	ppm ASTM D5185m >15	0	0	---
Nickel	ppm ASTM D5185m >15	<1	2	---
Titanium	ppm ASTM D5185m	<1	0	---
Silver	ppm ASTM D5185m	0	0	---
Aluminum	ppm ASTM D5185m >25	1	<1	---
Lead	ppm ASTM D5185m >100	0	<1	---
Copper	ppm ASTM D5185m >200	36	169	---
Tin	ppm ASTM D5185m >25	3	16	---
Antimony	ppm ASTM D5185m >5	---	0	---
Vanadium	ppm ASTM D5185m	<1	0	---
Cadmium	ppm ASTM D5185m	0	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	7	17	---
Barium	ppm ASTM D5185m	0	0	---
Molybdenum	ppm ASTM D5185m	<1	2	---
Manganese	ppm ASTM D5185m	<1	0	---
Magnesium	ppm ASTM D5185m	<1	0	---
Calcium	ppm ASTM D5185m	61	83	---
Phosphorus	ppm ASTM D5185m	449	280	---
Zinc	ppm ASTM D5185m	0	0	---
Sulfur	ppm ASTM D5185m	6192	3471	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	<1	0	---
Sodium	ppm ASTM D5185m	0	<1	---
Potassium	ppm ASTM D5185m >20	1	<1	---

FLUID CLEANLINESS

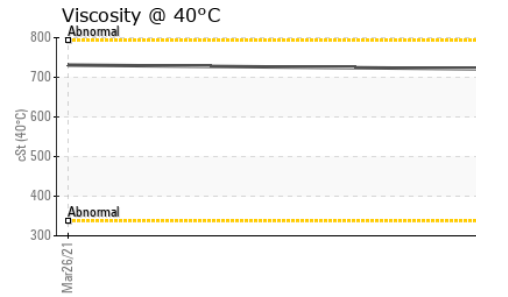
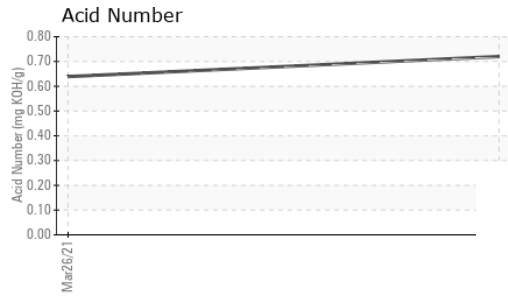
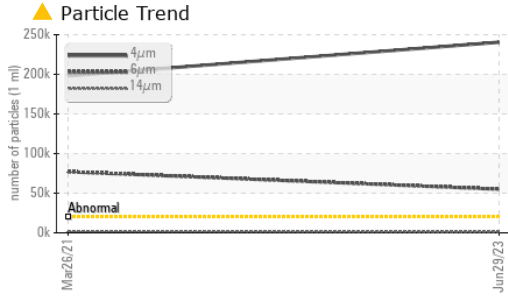
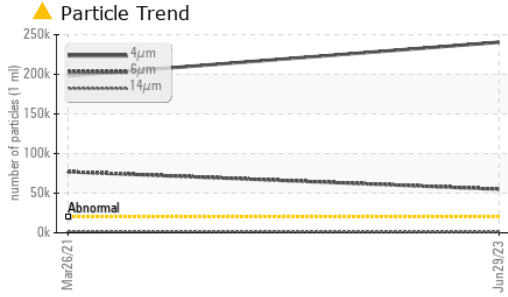
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	▲ 240547	● 198027	---
Particles >6µm	ASTM D7647 >5000	▲ 54991	● 77053	---
Particles >14µm	ASTM D7647 >640	▲ 1165	▲ 2095	---
Particles >21µm	ASTM D7647 >160	▲ 176	▲ 311	---
Particles >38µm	ASTM D7647 >40	3	3	---
Particles >71µm	ASTM D7647 >10	0	0	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	▲ 25/23/17	● 25/23/18	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.72	0.639	---



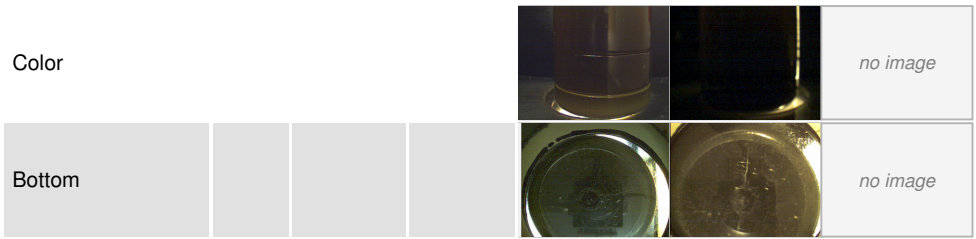
OIL ANALYSIS REPORT



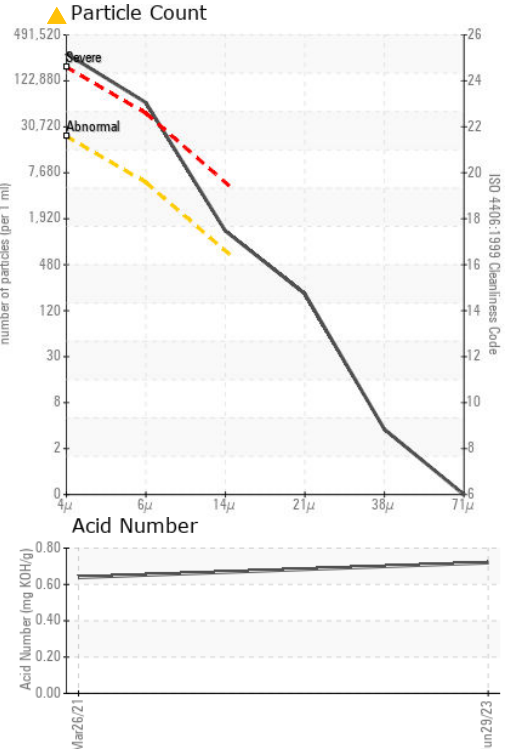
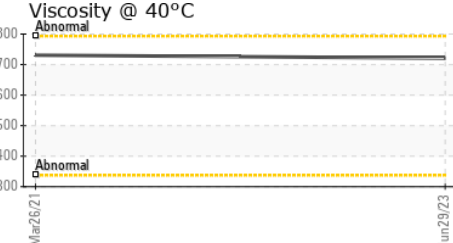
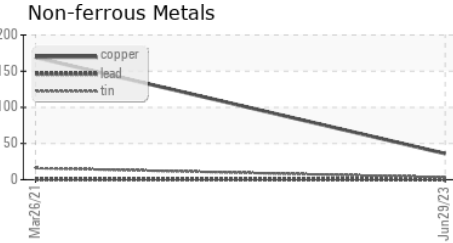
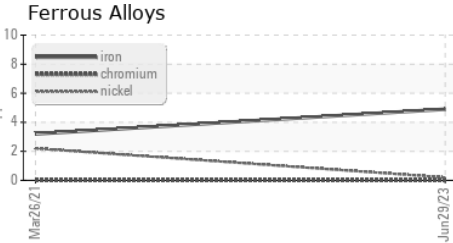
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	721	731	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0799732 Received : 18 Jul 2023
 Lab Number : 05901272 Diagnosed : 20 Jul 2023
 Unique Number : 10562628 Diagnostician : Don Baldrige
 Test Package : IND 2 (Additional Tests: PrtCount)

HORMEL FOODS-BELOIT
 3000 KENNEDY DRIVE
 BELOIT, WI
 US 53511
 Contact: Craig Bennett
 cabennett@hormel.com

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)

T:
 F: (608)365-8322