



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[24156662]
 Machine Id
B21613 - 1 (S/N 69700016)
 Component
Gearbox
 Fluid
JAX MAGNA-PLATE 85W140-FG (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0921318	WC0885468	WC0850200
Sample Date		Client Info		21 May 2024	07 Feb 2024	05 Nov 2023
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		1	0	0
Filter Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	4	3	0
Chromium	ppm	ASTM D5185m	>15	0	0	0
Nickel	ppm	ASTM D5185m	>15	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	0
Lead	ppm	ASTM D5185m	>100	<1	0	0
Copper	ppm	ASTM D5185m	>200	16	14	13
Tin	ppm	ASTM D5185m	>25	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

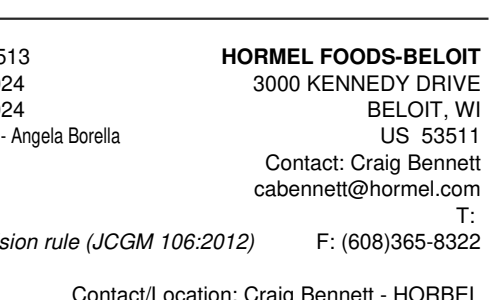
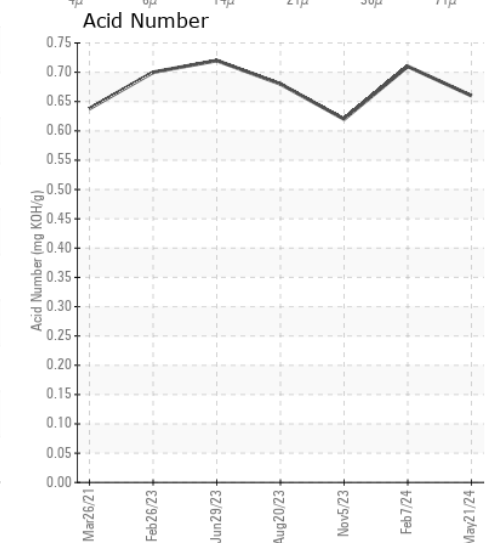
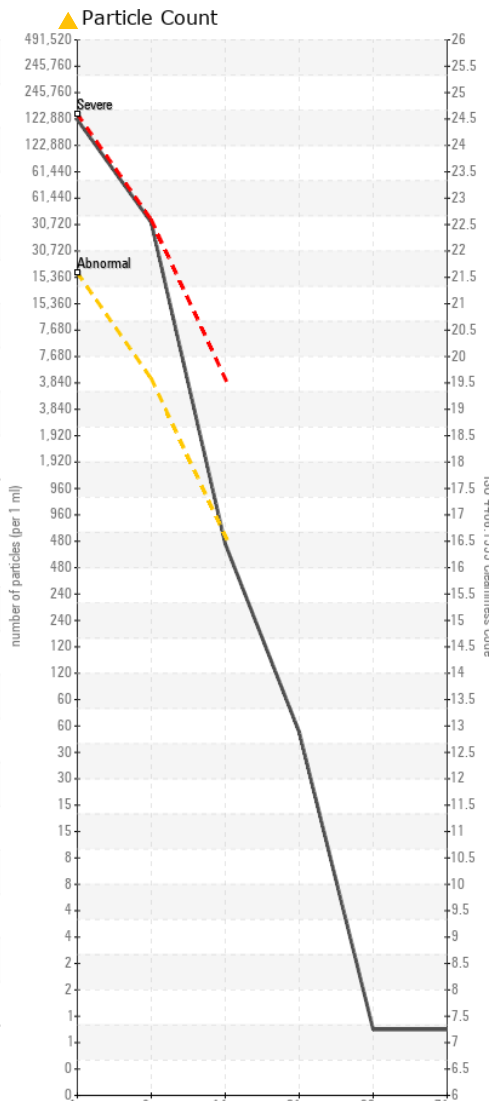
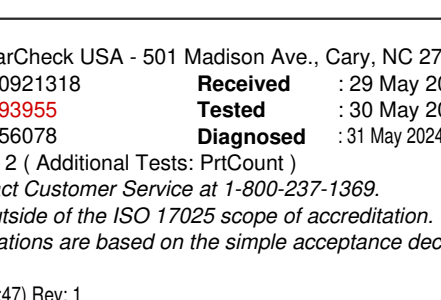
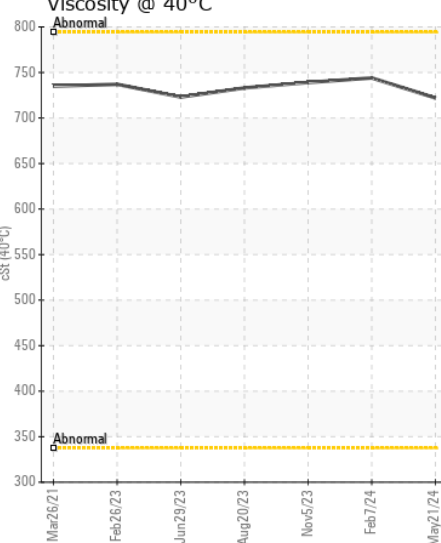
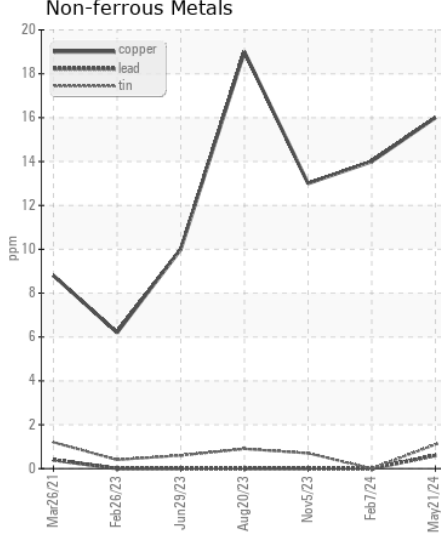
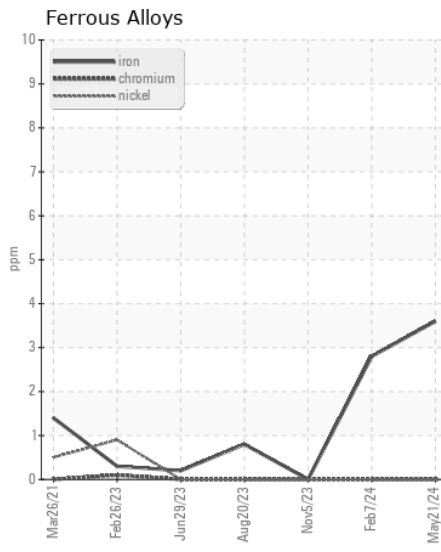
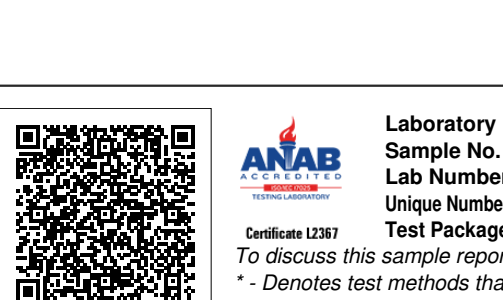
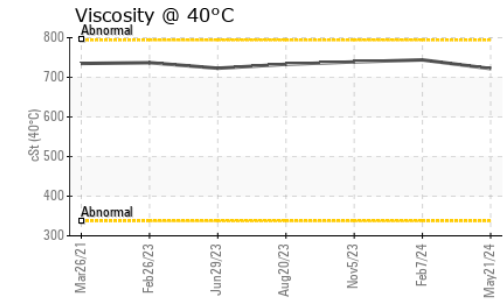
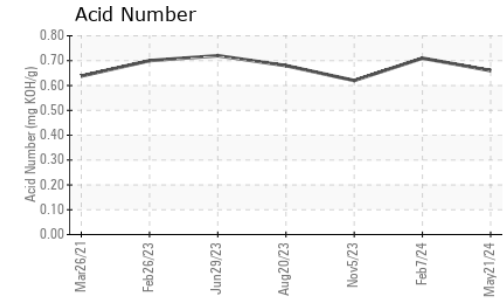
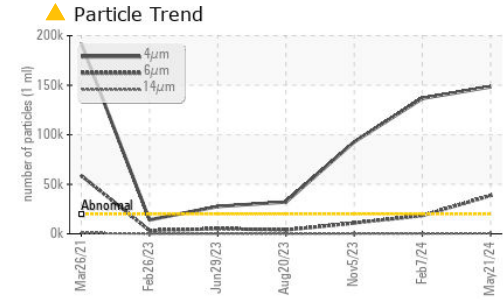
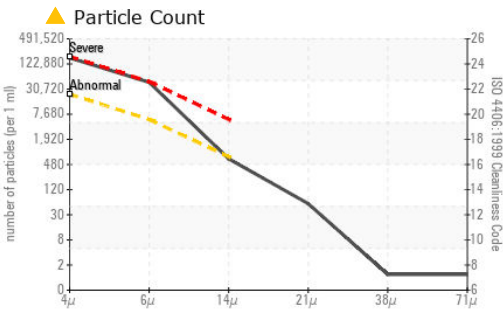
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>50	2	<1	<1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	▲ 148384	▲ 136683	▲ 92821
Particles >6µm		ASTM D7647	>5000	▲ 38618	▲ 18379	▲ 10914
Particles >14µm		ASTM D7647	>640	576	282	221
Particles >21µm		ASTM D7647	>160	49	30	39
Particles >38µm		ASTM D7647	>40	1	0	3
Particles >71µm		ASTM D7647	>10	1	0	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 24/22/16	▲ 24/21/15	▲ 24/21/15
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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		2	0	0
Calcium	ppm	ASTM D5185m		19	11	0
Phosphorus	ppm	ASTM D5185m		441	441	382
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		6027	5303	4597
Acid Number (AN)	mg KOH/g	ASTM D8045		0.66	0.71	0.62
Visc @ 40°C	cSt	ASTM D445		722	744	739



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0921318 **Received** : 29 May 2024
Lab Number : 06193955 **Tested** : 30 May 2024
Unique Number : 11056078 **Diagnosed** : 31 May 2024 - Angela Borella
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)

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