

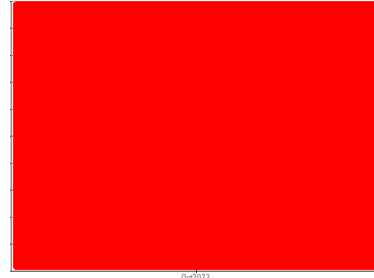


PROBLEM SUMMARY

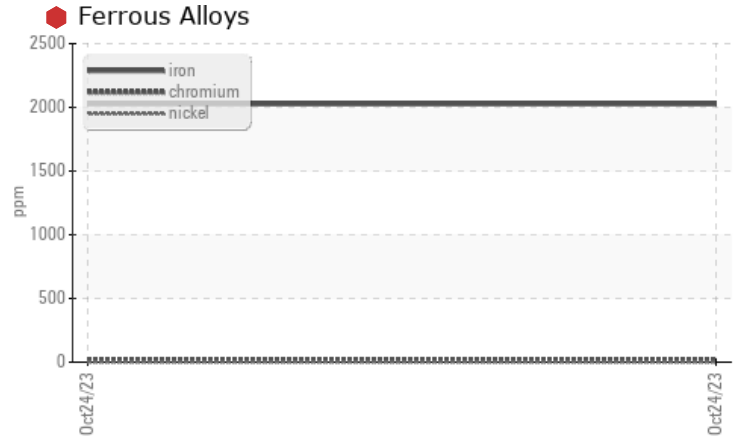
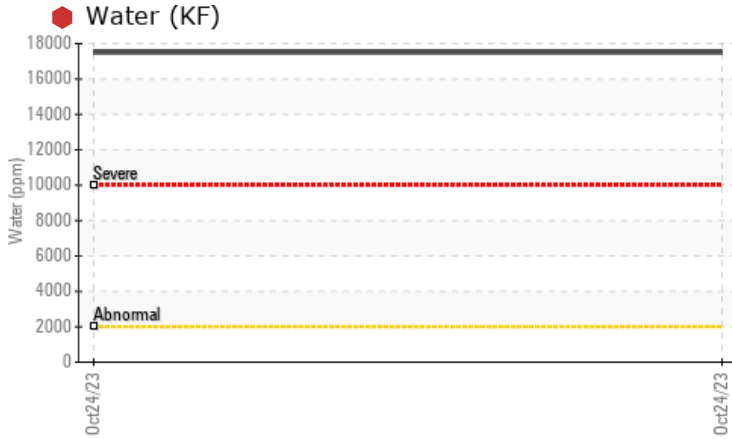
Sample Rating Trend

WEAR

Area
L1
 Machine Id
SEW EURODRIVE L1 BLANCHER 2 LIFT WHEEL
 Component
Gearbox
 Fluid
LUBRIPLATE FMO 1100 AW ISO 220 (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We advise that you perform a filter service and use off-line filtration to improve the cleanliness of the system fluid. Else we recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. There is too much water present in this sample to perform a particle count.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>200	🔴 2026	---	---
Chromium	ppm	ASTM D5185m	>15	🟡 23	---	---
Water	%	ASTM D6304	>0.2	🔴 1.75	---	---
ppm Water	ppm	ASTM D6304	>2000	🔴 17500	---	---
Appearance	scalar	*Visual	NORML	🟡 MILKY	---	---
Emulsified Water	scalar	*Visual	>0.2	🔴 0.2%	---	---

Customer Id: JRSGRA
 Sample No.: USP234647
 Lab Number: 06006998
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Change Filter	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Check Water Access	---	---	?	We advise that you check for the source of water entry.
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

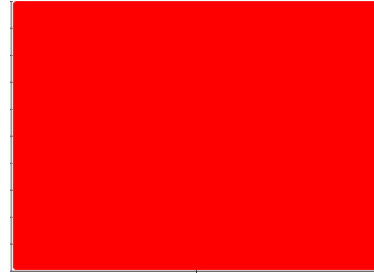


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
L1
 Machine Id
SEW EURODRIVE L1 BLANCHER 2 LIFT WHEEL
 Component
Gearbox
 Fluid
LUBRIPLATE FMO 1100 AW ISO 220 (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you perform a filter service and use off-line filtration to improve the cleanliness of the system fluid. Else we recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. There is too much water present in this sample to perform a particle count.

Wear

Gear wear is indicated.

Contamination

Appearance is unacceptable. There is a high concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		USP234647	---	---
Sample Date	Client Info		24 Oct 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	2026	---
Chromium	ppm	ASTM D5185m	>15	23	---
Nickel	ppm	ASTM D5185m	>15	1	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>25	2	---
Lead	ppm	ASTM D5185m	>100	0	---
Copper	ppm	ASTM D5185m	>200	4	---
Tin	ppm	ASTM D5185m	>25	0	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	---
Barium	ppm	ASTM D5185m		0	---
Molybdenum	ppm	ASTM D5185m		1	---
Manganese	ppm	ASTM D5185m		8	---
Magnesium	ppm	ASTM D5185m		3	---
Calcium	ppm	ASTM D5185m		15	---
Phosphorus	ppm	ASTM D5185m		379	---
Zinc	ppm	ASTM D5185m		14	---
Sulfur	ppm	ASTM D5185m		5215	---

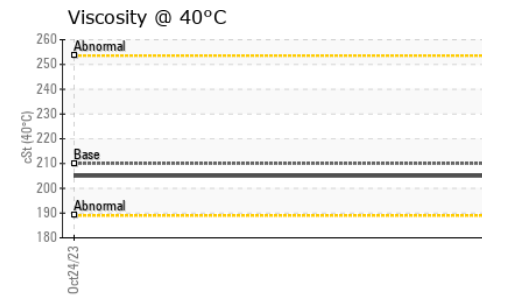
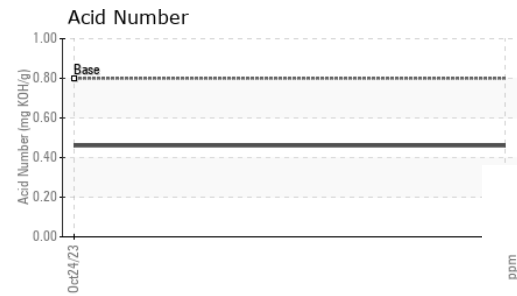
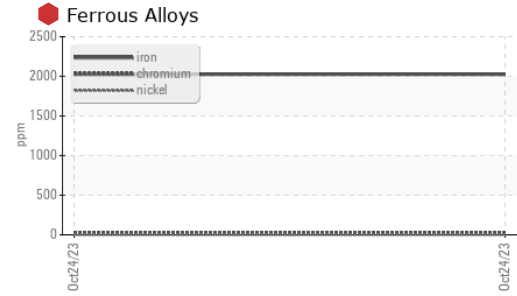
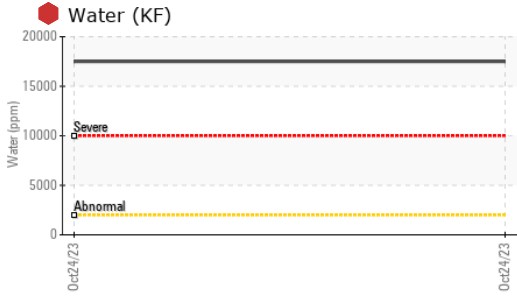
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	8	---
Sodium	ppm	ASTM D5185m		78	---
Potassium	ppm	ASTM D5185m	>20	13	---
Water	%	ASTM D6304	>0.2	1.75	---
ppm Water	ppm	ASTM D6304	>2000	17500	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.8	0.46	---

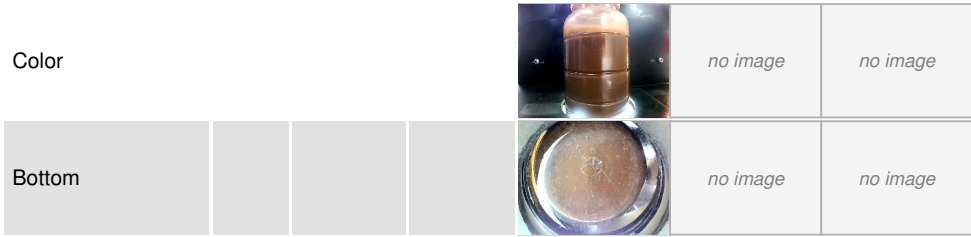
OIL ANALYSIS REPORT



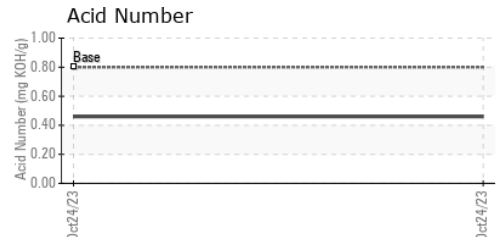
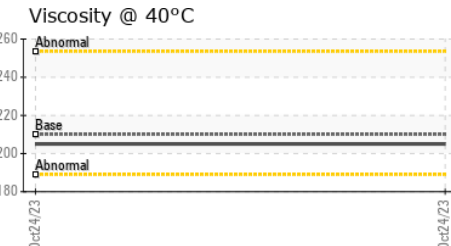
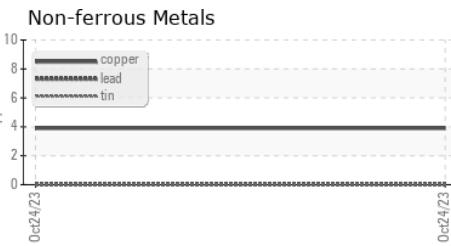
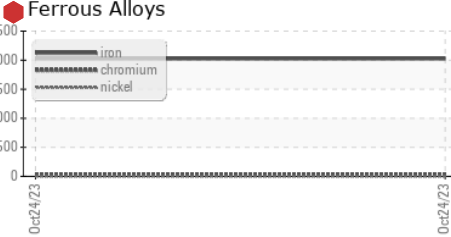
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 210	205	---	---

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. : USP234647 **Received** : 14 Nov 2023
Lab Number : 06006998 **Diagnosed** : 15 Nov 2023
Unique Number : 10740760 **Diagnostician** : Doug Bogart
Test Package : IND 2

JR SIMPLOT CO
 3630 GATEWAY DR.
 GRAND FORKS, ND
 US 58201

Contact: GREG HUDERLE
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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)