

PROBLEM SUMMARY

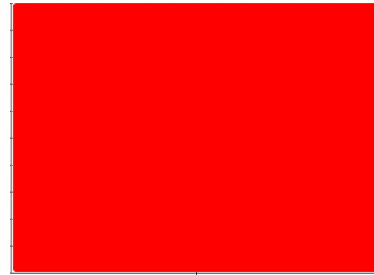
Sample Rating Trend

WEAR

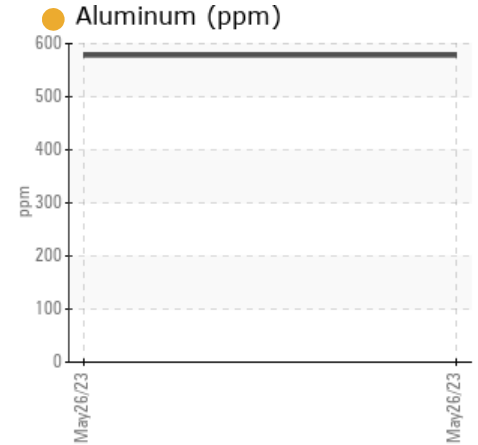
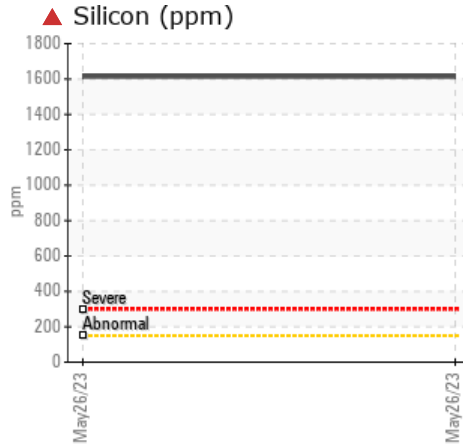
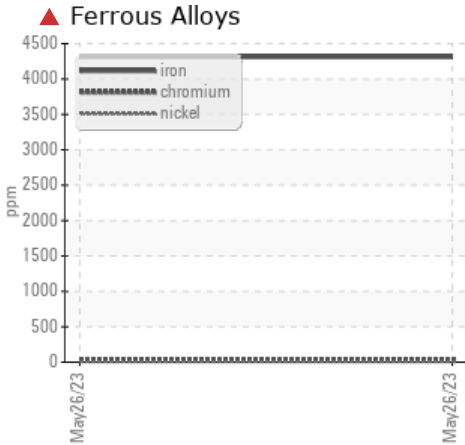
Machine Id
WHEEL BEARING SOUTH MIXER

Component
Grease

Fluid
MFA TOTAL USE (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level. We advise that you check all areas where dirt can enter the system.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	---	---
Iron ppm ASTM D5185m >250	▲ 4313	---	---
Chromium ppm ASTM D5185m >10	▲ 23	---	---
Nickel ppm ASTM D5185m >5	▲ 7	---	---
Titanium ppm ASTM D5185m	▲ 31	---	---
Silicon ppm ASTM D5185m >150	▲ 1614	---	---

Customer Id: BUNWAS
Sample No.: RP0035310
Lab Number: 05867139
Test Package: GRS 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
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RECOMMENDED ACTIONS

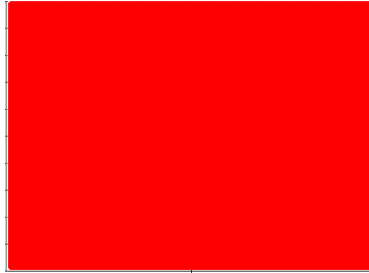
Action	Status	Date	Done By	Description
Monitor	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Change Fluid	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Resample	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

GREASE ANALYSIS

Sample Rating Trend

WEAR



Machine Id
WHEEL BEARING SOUTH MIXER

Component

Grease

Fluid

MFA TOTAL USE (--- GAL)

DIAGNOSIS

▲ Recommendation

Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level. We advise that you check all areas where dirt can enter the system.

▲ Wear

Bearing and/or bushing wear is indicated.

Grease Condition

The condition of the grease is acceptable for the time in service.

▲ Contaminants

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			RP0035310	---	---
Sample Date	Client Info			26 May 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Grease Age	hrs	Client Info		0	---	---
Grease Serviced	Client Info			N/A	---	---
Sample Status				SEVERE	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>250	▲ 4313	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 23	---	---
Nickel	ppm	ASTM D5185m	>5	▲ 7	---	---
Cadmium	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		▲ 31	---	---
Vanadium	ppm	ASTM D5185m		2	---	---
Lead	ppm	ASTM D5185m	>25	2	---	---
Copper	ppm	ASTM D5185m	>75	8	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Silver	ppm	ASTM D5185m	>5	0	---	---

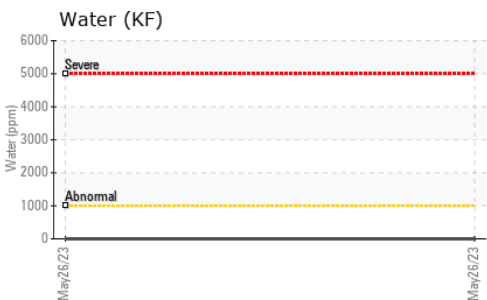
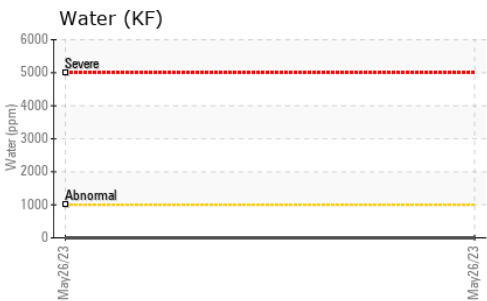
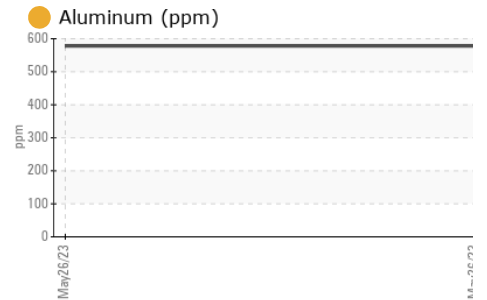
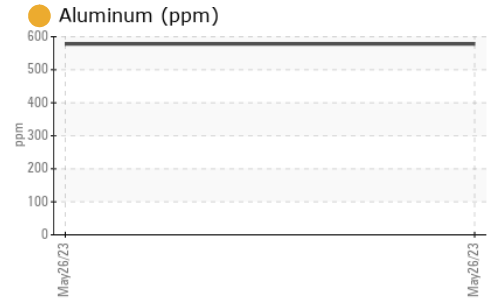
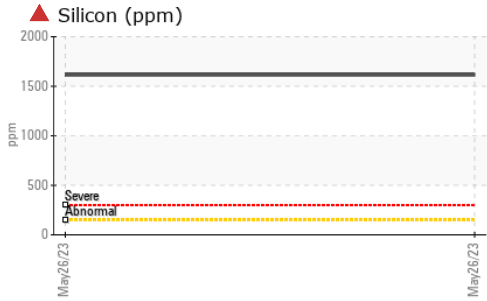
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		55	---	---
Magnesium	ppm	ASTM D5185m		373	---	---
Manganese	ppm	ASTM D5185m		72	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Phosphorus	ppm	ASTM D5185m		44	---	---
Zinc	ppm	ASTM D5185m		0	---	---

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		● 578	---	---
Barium	ppm	ASTM D5185m		46	---	---
Calcium	ppm	ASTM D5185m		34461	---	---
Sodium	ppm	ASTM D5185m		292	---	---
Lithium	ppm	ASTM D5185m		9	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	▲ 1614	---	---
Potassium	ppm	ASTM D5185m		217	---	---
Water	%	ASTM D6304	>0.1	NEG	---	---

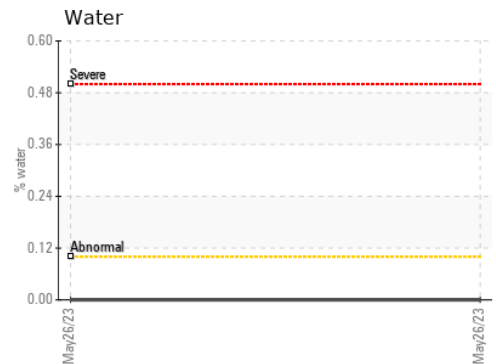
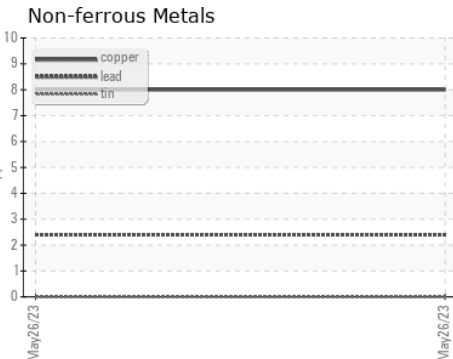
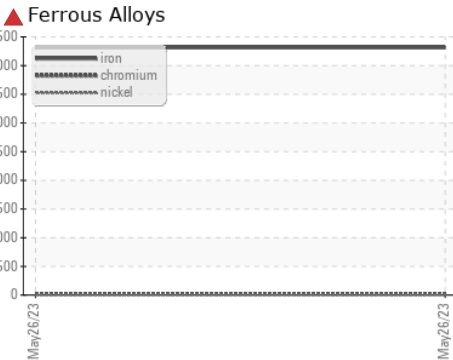
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		*Visual		Green	---	---
Texture		*In-house		Buttery	---	---
NLGI Consistency	NLGI Scale	*SKF Method		1-2	---	---

GREASE ANALYSIS



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0035310 **Received** : 07 Jun 2023
Lab Number : 05867139 **Tested** : 23 Jun 2023
Unique Number : 10506923 **Diagnosed** : 23 Jun 2023 - Doug Bogart
Test Package : GRS 2 (Additional Tests: KV40, SCREEN)

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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)