



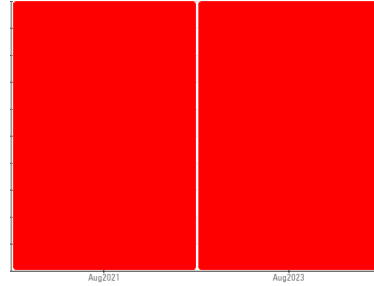
PROBLEM SUMMARY

Sample Rating Trend

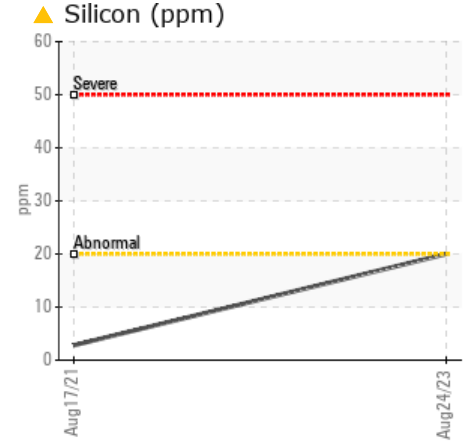
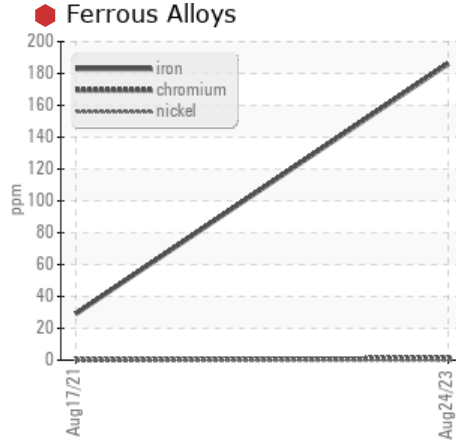
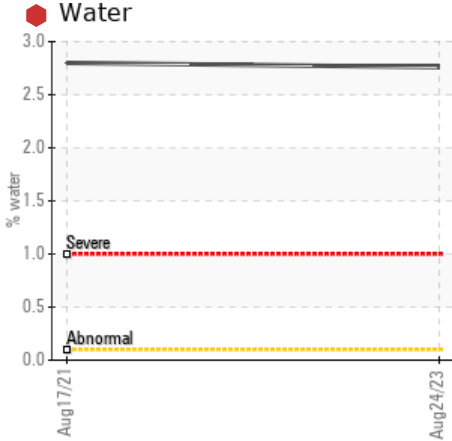
WEAR



Machine Id
LADDER 1386
Component
Hydraulic System
Fluid
NOT GIVEN (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	---
Iron	ppm	ASTM D5185m	>20	186	29	---
Silicon	ppm	ASTM D5185m	>20	20	3	---
Water	%	ASTM D6304	>0.1	2.76	2.80	---
ppm Water	ppm	ASTM D6304	>1000	27600	28000	---
Debris	scalar	*Visual	NONE	MODER	MODER	---
Appearance	scalar	*Visual	NORML	MILKY	MILKY	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	---

Customer Id: TUSTUSAL
Sample No.: WC0835798
Lab Number: 05933978
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@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 from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

17 Aug 2021 Diag: Don Baldrige

WATER



We advise that you check for the source of water entry. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of visible silt present in the sample. Moderate concentration of visible dirt/debris present in the oil. There is a high concentration of water present in the oil. Excessive free water present. The oil is no longer serviceable due to the presence of contaminants.

view report

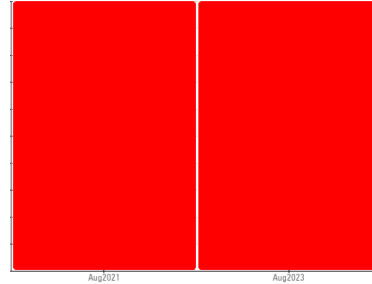




OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
LADDER 1386
 Component
Hydraulic System
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The iron level is severe.

Contamination

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

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0835798	WC0591184	---
Sample Date	Client Info		24 Aug 2023	17 Aug 2021	---
Machine Age	hrs	Client Info	0	1965	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	Not Changd	---
Sample Status			SEVERE	SEVERE	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	186	29	---
Chromium	ppm	ASTM D5185m >10	1	<1	---
Nickel	ppm	ASTM D5185m >10	0	<1	---
Titanium	ppm	ASTM D5185m	<1	<1	---
Silver	ppm	ASTM D5185m	0	<1	---
Aluminum	ppm	ASTM D5185m >10	3	<1	---
Lead	ppm	ASTM D5185m >10	0	1	---
Copper	ppm	ASTM D5185m >75	8	5	---
Tin	ppm	ASTM D5185m >10	2	1	---
Antimony	ppm	ASTM D5185m	---	<1	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	16	20	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	4	3	---
Manganese	ppm	ASTM D5185m	3	<1	---
Magnesium	ppm	ASTM D5185m	70	19	---
Calcium	ppm	ASTM D5185m	4549	683	---
Phosphorus	ppm	ASTM D5185m	468	436	---
Zinc	ppm	ASTM D5185m	658	541	---
Sulfur	ppm	ASTM D5185m	2241	1874	---

CONTAMINANTS

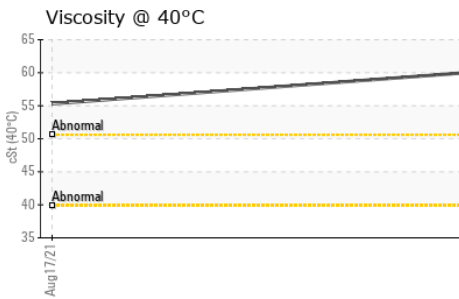
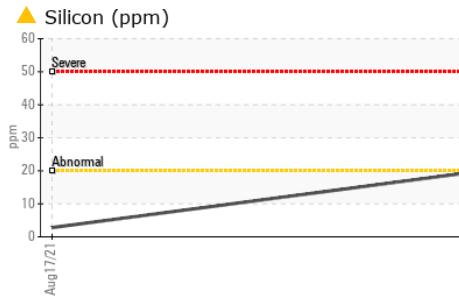
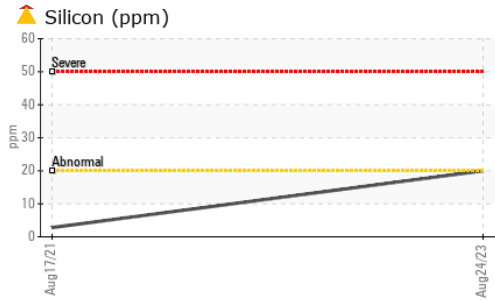
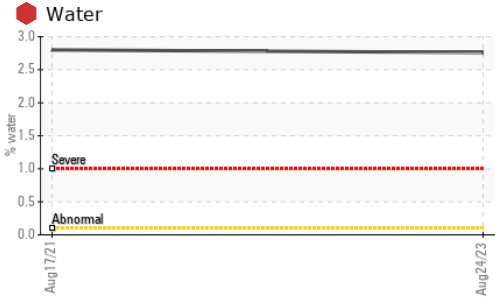
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	20	3	---
Sodium	ppm	ASTM D5185m	11	<1	---
Potassium	ppm	ASTM D5185m >20	1	<1	---
Water	%	ASTM D6304 >0.1	2.76	2.80	---
ppm Water	ppm	ASTM D6304 >1000	27600	28000	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	▲ MODER	---
Debris	scalar	*Visual NONE	▲ MODER	▲ MODER	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	▲ MILKY	▲ MILKY	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >0.1	0.2%	NEG	---
Free Water	scalar	*Visual	NEG	>10%	---



OIL ANALYSIS REPORT

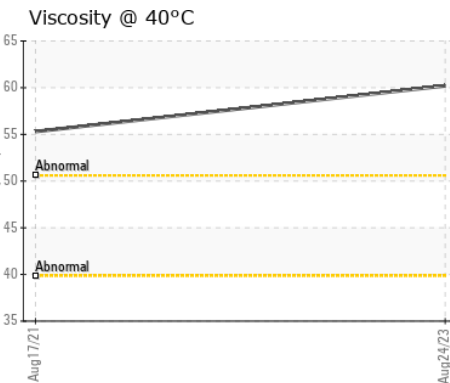
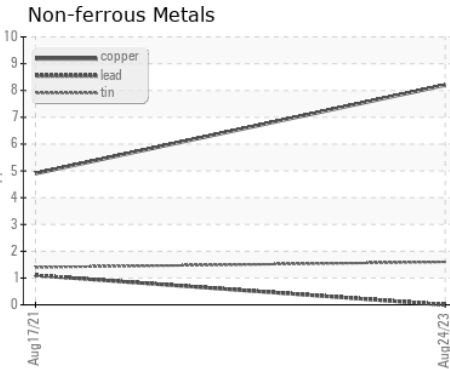
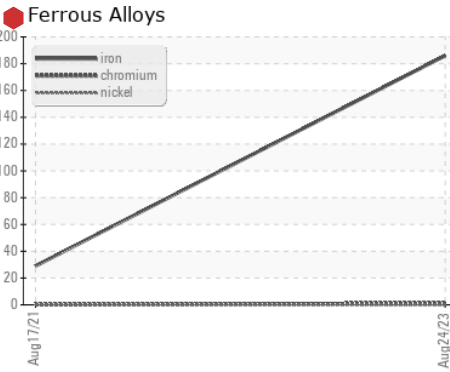


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		60.2	55.3	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0835798 **Received** : 24 Aug 2023
Lab Number : 05933978 **Diagnosed** : 28 Aug 2023
Unique Number : 10619249 **Diagnostician** : Jonathan Hester
Test Package : FLEET (Additional Tests: KF)

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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)