

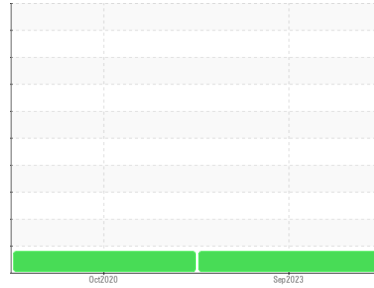


PROBLEM SUMMARY

Sample Rating Trend

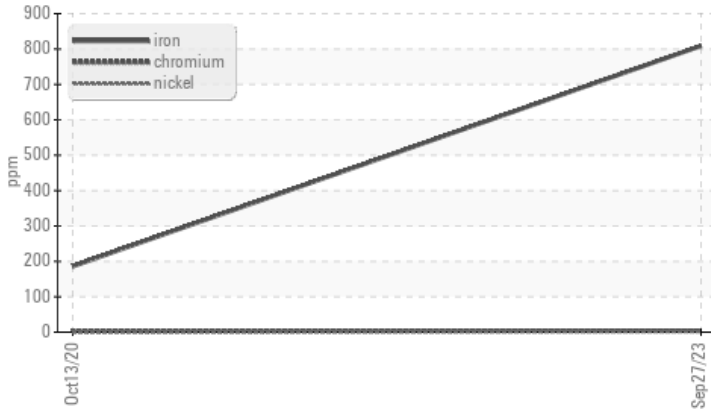
WEAR

Area
KANSAS/44/EG - OTHER SERVICE
 Machine Id
57.03W [KANSAS^44^EG - OTHER SERVICE]
 Component
Left Final Drive
 Fluid
MOBIL MOBILUBE HD 85W140 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status	ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500
	▲ 809	186	---

Customer Id: SHEWIC
 Sample No.: WC0833815
 Lab Number: 06007237
 Test Package: CONST



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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

13 Oct 2020 Diag: Don Baldrige

VISCOSITY



The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.

view report



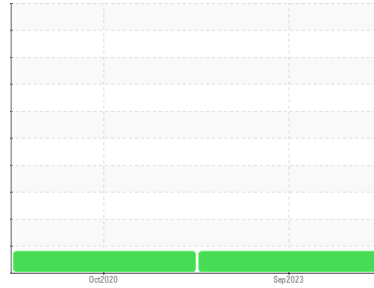


OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
KANSAS/44/EG - OTHER SERVICE
 Machine Id
57.03W [KANSAS^44^EG - OTHER SERVICE]
 Component
Left Final Drive
 Fluid
MOBIL MOBILUBE HD 85W140 (--- GAL)



DIAGNOSIS

▲ Recommendation

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

▲ Wear

Gear wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Confirm oil type. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0833815	WC0511952	---
Sample Date	Client Info			27 Sep 2023	13 Oct 2020	---
Machine Age	hrs	Client Info		1190	710	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			Not Chngd	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	▲ 809	186	---
Chromium	ppm	ASTM D5185m	>10	4	2	---
Nickel	ppm	ASTM D5185m	>10	2	1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	2	4	---
Lead	ppm	ASTM D5185m	>25	0	1	---
Copper	ppm	ASTM D5185m	>50	6	48	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Antimony	ppm	ASTM D5185m	>5	---	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	2	---

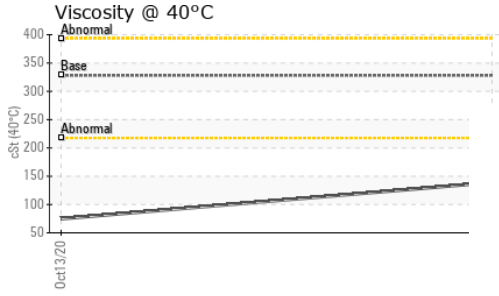
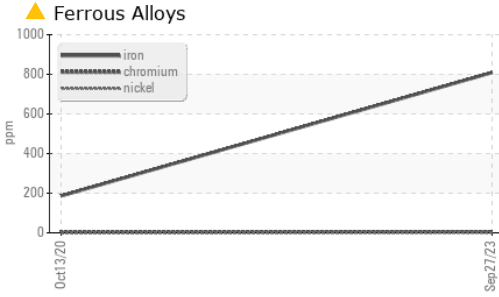
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		90	18	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		6	<1	---
Manganese	ppm	ASTM D5185m		8	1	---
Magnesium	ppm	ASTM D5185m		<1	10	---
Calcium	ppm	ASTM D5185m		7	614	---
Phosphorus	ppm	ASTM D5185m		912	478	---
Zinc	ppm	ASTM D5185m		7	513	---
Sulfur	ppm	ASTM D5185m		15739	2941	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	15	47	---
Sodium	ppm	ASTM D5185m		1	1	---
Potassium	ppm	ASTM D5185m	>20	<1	2	---

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	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---



OIL ANALYSIS REPORT



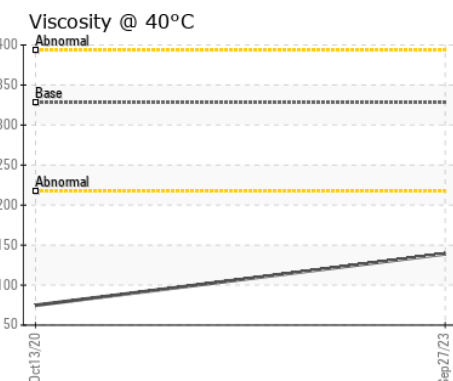
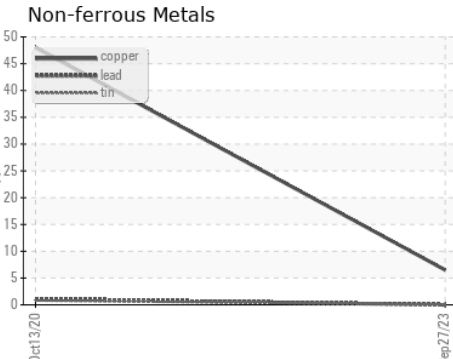
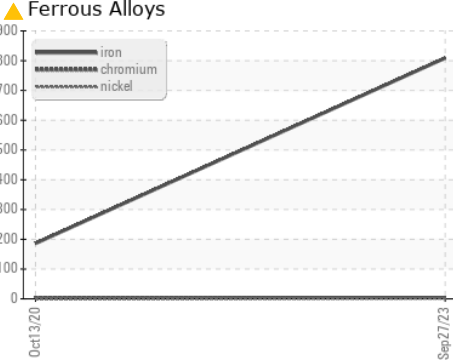
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445 328	139	▲ 74.8	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				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. : WC0833815 **Received** : 14 Nov 2023
Lab Number : **06007237** **Diagnosed** : 16 Nov 2023
Unique Number : 10740999 **Diagnostician** : Don Baldrige
Test Package : CONST

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
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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)