

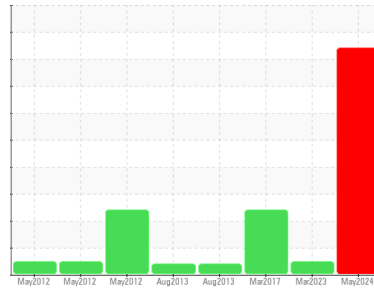


PROBLEM SUMMARY



Area
OKLAHOMA/102/EG - ROLLER/COMPACTOR
 Machine Id
64.21L [OKLAHOMA^102^EG - ROLLER/COMPACTOR]
 Component
Final Drive
 Fluid
MOBIL SHC 630 (3 QTS)

Sample Rating Trend

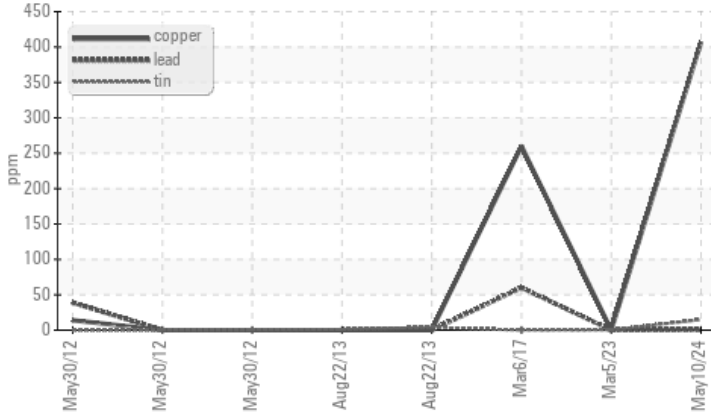


WEAR

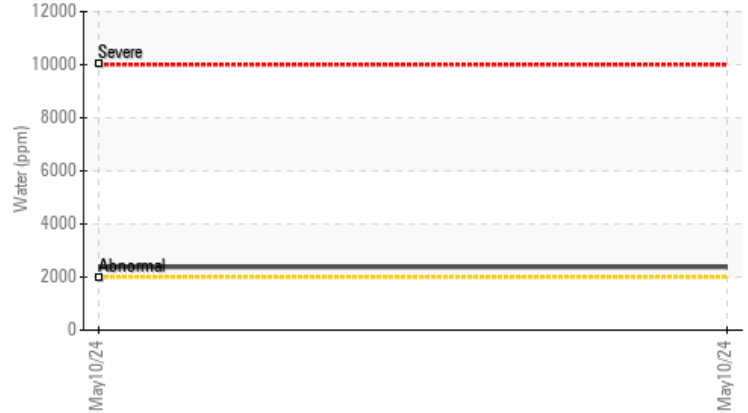


COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ Water (KF)



RECOMMENDATION

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	NORMAL	ABNORMAL
Copper	ppm	ASTM D5185m	>75	▲ 407	<1	▲ 260
Tin	ppm	ASTM D5185m	>8	▲ 15	<1	0
Water	%	ASTM D6304	>0.2	▲ 0.238	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2380	---	---

Customer Id: SHEWIC
 Sample No.: WC0914465
 Lab Number: 06200651
 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

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

NORMAL



05 Mar 2023 Diag: Sean Felton

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

[view report](#)



WEAR



06 Mar 2017 Diag: Don Baldrige

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

[view report](#)



VISCOSITY



22 Aug 2013 Diag: Wes Davis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.

[view report](#)

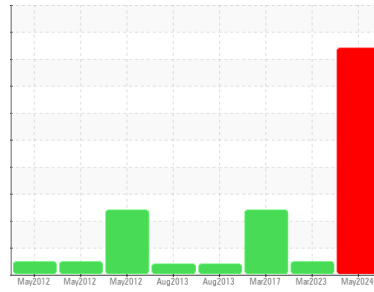




OIL ANALYSIS REPORT

Area
OKLAHOMA/102/EG - ROLLER/COMPACTOR
 Machine Id
64.21L [OKLAHOMA^102^EG - ROLLER/COMPACTOR]
 Component
Final Drive
 Fluid
MOBIL SHC 630 (3 QTS)

Sample Rating Trend



DIAGNOSIS

Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

The copper level is severe. Bearing and/or bushing wear is indicated.

Contamination

There is a light concentration of water present in the oil.

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0914465	WC0792439	WCMCF30741
Sample Date	Client Info		10 May 2024	05 Mar 2023	06 Mar 2017
Machine Age	hrs	Client Info	2787	3700	3096
Oil Age	hrs	Client Info	2300	600	1000
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			SEVERE	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	712	125	▲ 570
Chromium	ppm	ASTM D5185m >10	4	1	6
Nickel	ppm	ASTM D5185m >5	0	<1	<1
Titanium	ppm	ASTM D5185m >15	<1	<1	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >75	4	2	3
Lead	ppm	ASTM D5185m >10	<1	0	▲ 60
Copper	ppm	ASTM D5185m >75	▲ 407	<1	▲ 260
Tin	ppm	ASTM D5185m >8	▲ 15	<1	0
Antimony	ppm	ASTM D5185m >50	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	8	3
Barium	ppm	ASTM D5185m	8	0	<1
Molybdenum	ppm	ASTM D5185m	1	4	0
Manganese	ppm	ASTM D5185m	8	1	4
Magnesium	ppm	ASTM D5185m	18	27	15
Calcium	ppm	ASTM D5185m	2947	3021	2892
Phosphorus	ppm	ASTM D5185m	1118	973	986
Zinc	ppm	ASTM D5185m	1213	1248	1126
Sulfur	ppm	ASTM D5185m	10278	13749	10851

CONTAMINANTS

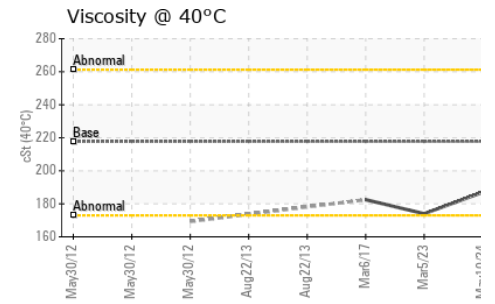
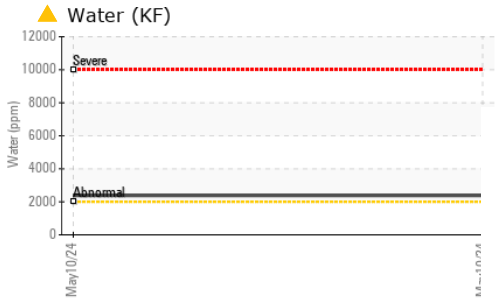
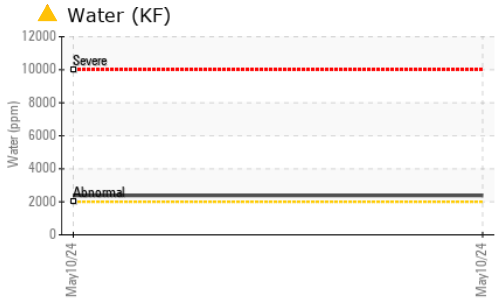
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	23	8	17
Sodium	ppm	ASTM D5185m	8	2	4
Potassium	ppm	ASTM D5185m >20	4	1	5
Water	%	ASTM D6304 >0.2	▲ 0.238	---	---
ppm Water	ppm	ASTM D6304 >2000	▲ 2380	---	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	MODER	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	0.2%	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

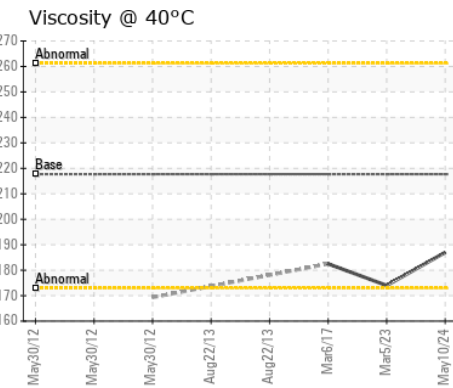
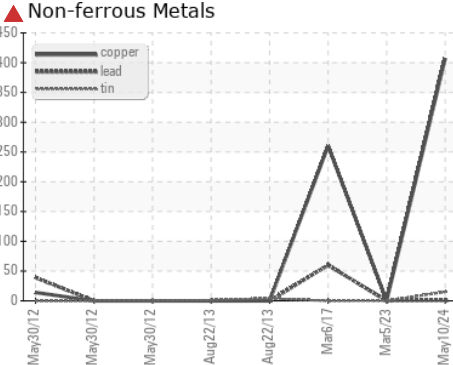
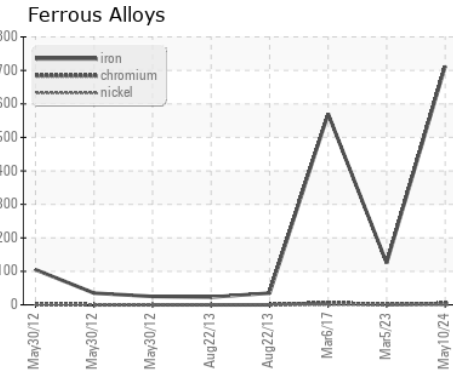


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	217.7	187	174	182.5

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. : WC0914465 **Received** : 05 Jun 2024
Lab Number : **06200651** **Tested** : 06 Jun 2024
Unique Number : 11062774 **Diagnosed** : 07 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: DOUG KING
 doug.king@sherwood.net
 T: (316)617-3161
 F: x:

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)