

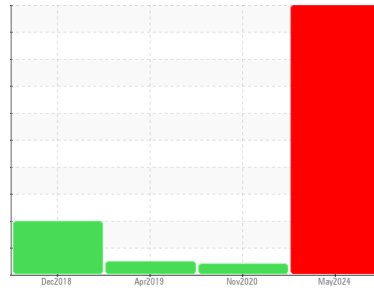


PROBLEM SUMMARY



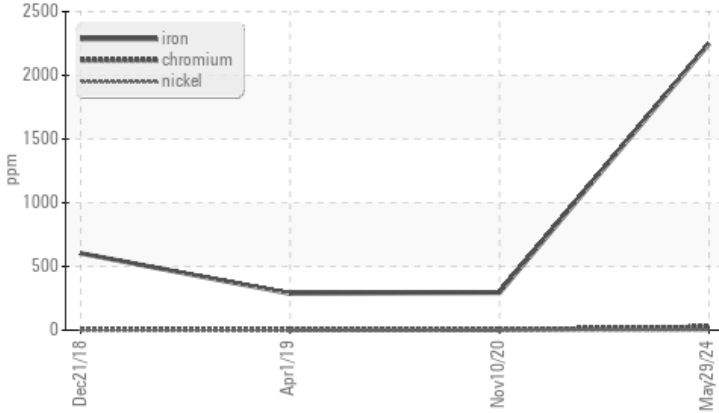
Area
KANSAS/44/EG - OTHER SERVICE
 Machine Id
53.122L [KANSAS^44^EG - OTHER SERVICE]
 Component
Right Final Drive
 Fluid
MOBIL MOBILUBE HD 85W140 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ATTENTION	NORMAL
Iron	ppm	ASTM D5185m	>800	▲ 2248	294	287
Chromium	ppm	ASTM D5185m	>10	▲ 26	4	4

Customer Id: SHEWIC
 Sample No.: WC0901242
 Lab Number: 06205185
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

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

VISCOSITY



10 Nov 2020 Diag: Don Baldrige

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 oil viscosity is lower than normal. Confirm oil type.

view report



NORMAL



01 Apr 2019 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 oil. The condition of the oil is acceptable for the time in service.

view report



VISUAL METAL



21 Dec 2018 Diag: Don Baldrige

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. High concentration of visible metal present. Gear wear is indicated. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

view report



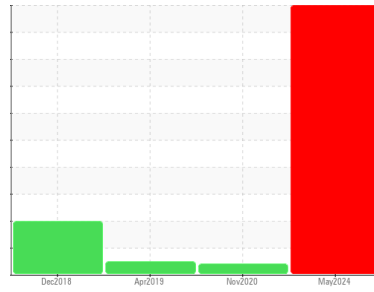


OIL ANALYSIS REPORT



Area
KANSAS/44/EG - OTHER SERVICE
 Machine Id
53.122L [KANSAS^44^EG - OTHER SERVICE]
 Component
Right Final Drive
 Fluid
MOBIL MOBILUBE HD 85W140 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination 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		WC0901242	WC0495360	WC04687582
Sample Date	Client Info		29 May 2024	10 Nov 2020	01 Apr 2019
Machine Age	hrs	Client Info	5422	3881	0
Oil Age	hrs	Client Info	0	0	500
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			SEVERE	ATTENTION	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	▲ 2248	294	287
Chromium	ppm	ASTM D5185m >10	▲ 26	4	4
Nickel	ppm	ASTM D5185m >5	● 2	0	<1
Titanium	ppm	ASTM D5185m >15	2	<1	<1
Silver	ppm	ASTM D5185m >2	0	<1	0
Aluminum	ppm	ASTM D5185m >75	28	3	3
Lead	ppm	ASTM D5185m >10	0	0	0
Copper	ppm	ASTM D5185m >75	2	1	2
Tin	ppm	ASTM D5185m >8	<1	0	0
Antimony	ppm	ASTM D5185m >50	---	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	142	234	243
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0
Manganese	ppm	ASTM D5185m	19	3	3
Magnesium	ppm	ASTM D5185m	17	47	44
Calcium	ppm	ASTM D5185m	71	285	771
Phosphorus	ppm	ASTM D5185m	1585	1362	903
Zinc	ppm	ASTM D5185m	29	135	284
Sulfur	ppm	ASTM D5185m	28654	20619	18984

CONTAMINANTS

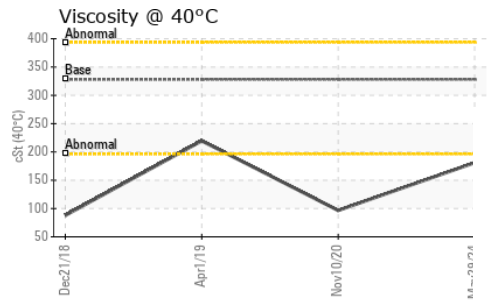
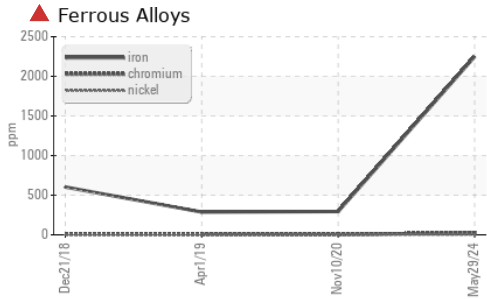
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	186	14	15
Sodium	ppm	ASTM D5185m	7	<1	3
Potassium	ppm	ASTM D5185m >20	14	0	8

VISUAL

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



OIL ANALYSIS REPORT

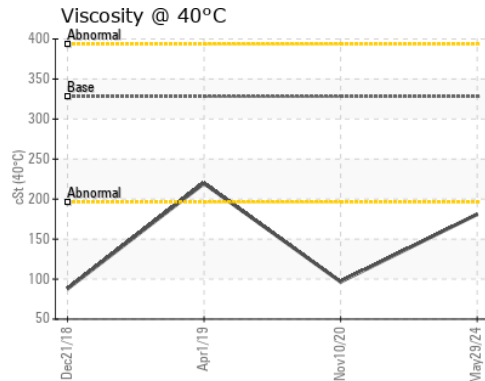
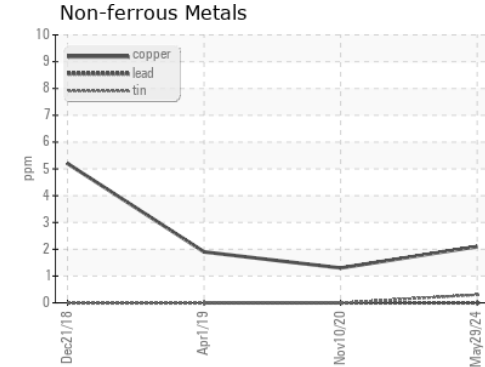
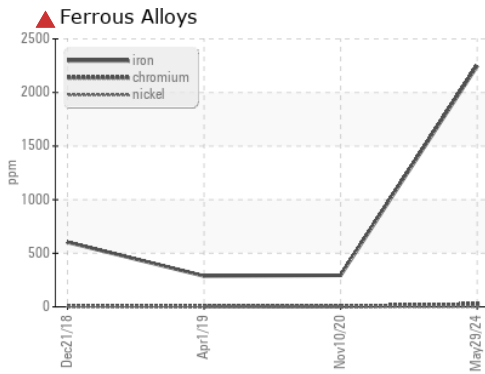


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	328	181	96.6	219.6

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



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0901242 **Received** : 10 Jun 2024
Lab Number : 06205185 **Tested** : 12 Jun 2024
Unique Number : 11072646 **Diagnosed** : 12 Jun 2024 - Angela Borella
Test Package : CONST

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)