

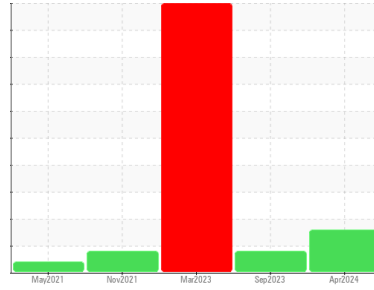


OIL ANALYSIS REPORT



Area
KANSAS/44
Machine Id
53.155L [KANSAS^44]
Component
Left Final Drive
Fluid
MOBIL MOBILUBE HD PLUS 75W90 (0 GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0918134	WC0833838	WC0779833
Sample Date	Client Info		01 Apr 2024	26 Sep 2023	02 Mar 2023
Machine Age	hrs	Client Info	2238	1846	1367
Oil Age	hrs	Client Info	0	460	814
Oil Changed	Client Info		Not Chngd	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	SEVERE

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	▲ 986	▲ 818	▲ 2020
Chromium	ppm	ASTM D5185m >10	▲ 14	10	▲ 30
Nickel	ppm	ASTM D5185m >5	2	0	2
Titanium	ppm	ASTM D5185m >15	2	<1	1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >75	30	6	● 22
Lead	ppm	ASTM D5185m >10	<1	0	<1
Copper	ppm	ASTM D5185m >75	3	5	36
Tin	ppm	ASTM D5185m >8	0	0	0
Antimony	ppm	ASTM D5185m >50	---	---	---
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	249	520	147
Barium	ppm	ASTM D5185m	2	0	0
Molybdenum	ppm	ASTM D5185m	61	<1	1
Manganese	ppm	ASTM D5185m	9	6	15
Magnesium	ppm	ASTM D5185m	6	2	6
Calcium	ppm	ASTM D5185m	42	9	39
Phosphorus	ppm	ASTM D5185m	1279	1566	1685
Zinc	ppm	ASTM D5185m	27	4	37
Sulfur	ppm	ASTM D5185m	21776	20477	25056

CONTAMINANTS

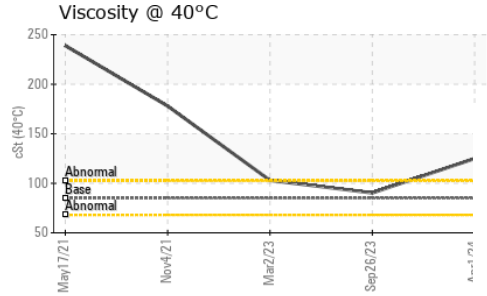
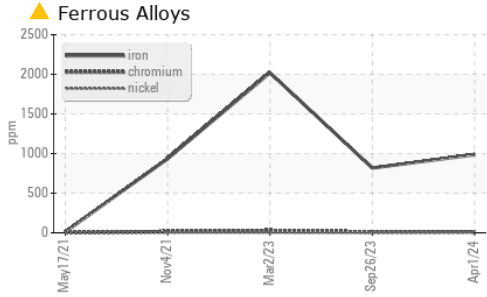
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	162	28	▲ 117
Sodium	ppm	ASTM D5185m	7	3	14
Potassium	ppm	ASTM D5185m >20	13	4	16

VISUAL

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



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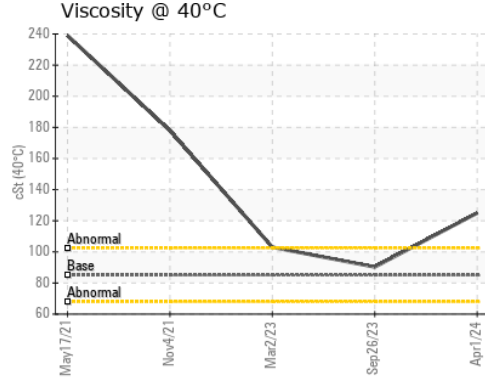
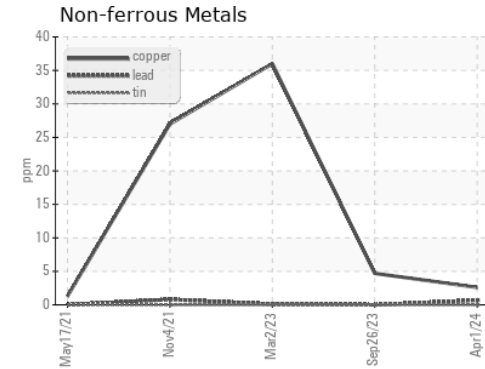
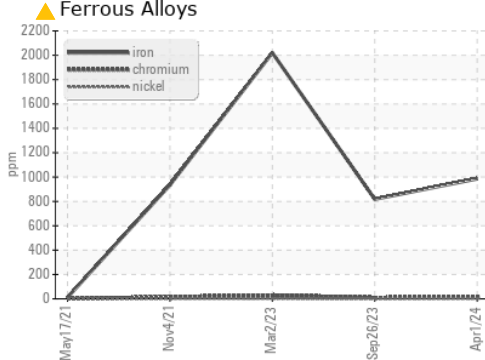


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 85	125	90.3	103

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. : WC0918134
Lab Number : **06143414**
Unique Number : 10968222
Test Package : CONST
Received : 09 Apr 2024
Tested : 10 Apr 2024
Diagnosed : 12 Apr 2024 - Jonathan Hester

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: DOUG KING
 Doug.King@sherwood.net

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)