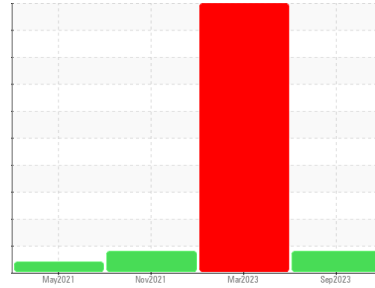




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



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

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		WC0833838	WC0779833	WC0630280
Sample Date	Client Info		26 Sep 2023	02 Mar 2023	04 Nov 2021
Machine Age	hrs	Client Info	1846	1367	460
Oil Age	hrs	Client Info	460	814	356
Oil Changed	Client Info		N/A	N/A	Changed
Sample Status			ABNORMAL	SEVERE	ABNORMAL

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	▲ 818	2020	▲ 935
Chromium	ppm	ASTM D5185m >10	10	30	16
Nickel	ppm	ASTM D5185m >5	0	2	2
Titanium	ppm	ASTM D5185m >15	<1	1	<1
Silver	ppm	ASTM D5185m >2	0	0	<1
Aluminum	ppm	ASTM D5185m >75	6	▲ 22	12
Lead	ppm	ASTM D5185m >10	0	<1	<1
Copper	ppm	ASTM D5185m >75	5	36	27
Tin	ppm	ASTM D5185m >8	0	0	0
Antimony	ppm	ASTM D5185m >50	---	---	0
Vanadium	ppm	ASTM D5185m	<1	0	<1
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	520	147	165
Barium	ppm	ASTM D5185m	0	0	25
Molybdenum	ppm	ASTM D5185m	<1	1	<1
Manganese	ppm	ASTM D5185m	6	15	11
Magnesium	ppm	ASTM D5185m	2	6	3
Calcium	ppm	ASTM D5185m	9	39	30
Phosphorus	ppm	ASTM D5185m	1566	1685	1249
Zinc	ppm	ASTM D5185m	4	37	78
Sulfur	ppm	ASTM D5185m	20477	25056	21607

CONTAMINANTS

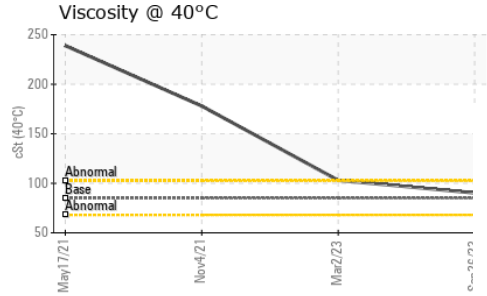
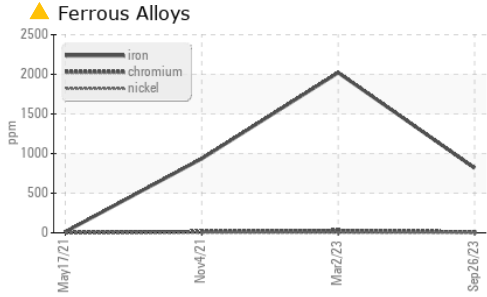
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	28	▲ 117	42
Sodium	ppm	ASTM D5185m	3	14	20
Potassium	ppm	ASTM D5185m >20	4	16	10

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	▲ MODER	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	NEG	0.2%	NEG
Free Water	scalar	*Visual	NEG	Sub	Submitted By: JESS HAAS



OIL ANALYSIS REPORT

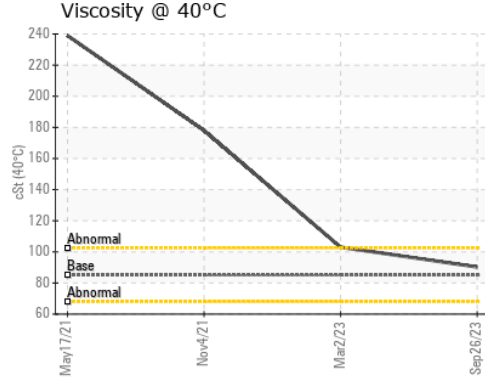
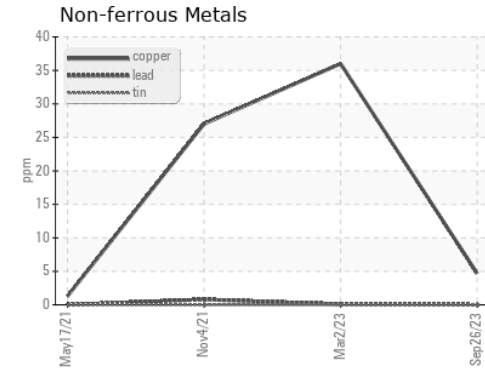
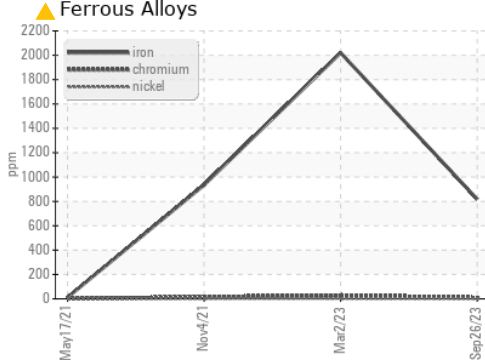


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 85	90.3	103	178

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. : WC0833838
Lab Number : 05968087
Unique Number : 10674638
Test Package : CONST
Received : 03 Oct 2023
Tested : 04 Oct 2023
Diagnosed : 05 Oct 2023 - Jonathan Hester

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

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)