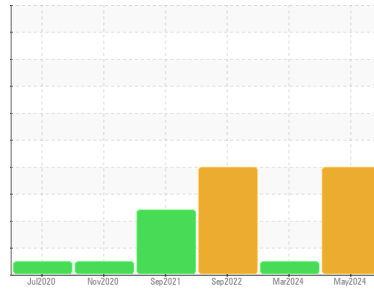




OIL ANALYSIS REPORT

Area
KANSAS/44/SKIDSTEER
 Machine Id
53.150L [KANSAS^44^SKIDSTEER]
 Component
Rear Left Final Drive
 Fluid
MOBIL MOBILUBE HD PLUS 75W90 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation
 We advise that you check all areas where dirt can enter the system. 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
 Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

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		WC0901238	WC0779817	WC0673585
Sample Date	Client Info		29 May 2024	11 Mar 2024	19 Sep 2022
Machine Age	hrs	Client Info	5372	1616	1616
Oil Age	hrs	Client Info	3756	0	452
Oil Changed	Client Info		Changed	Not Changd	Changed
Sample Status			ABNORMAL	NORMAL	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	▲ 1381	26	▲ 1004
Chromium	ppm	ASTM D5185m >10	▲ 17	1	▲ 16
Nickel	ppm	ASTM D5185m >5	2	<1	<1
Titanium	ppm	ASTM D5185m >15	2	<1	1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >75	● 27	2	● 17
Lead	ppm	ASTM D5185m >10	0	0	<1
Copper	ppm	ASTM D5185m >75	1	<1	10
Tin	ppm	ASTM D5185m >8	<1	<1	<1
Antimony	ppm	ASTM D5185m >50	---	---	---
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	277	242	224
Barium	ppm	ASTM D5185m	2	9	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1
Manganese	ppm	ASTM D5185m	12	<1	8
Magnesium	ppm	ASTM D5185m	6	1	4
Calcium	ppm	ASTM D5185m	45	112	37
Phosphorus	ppm	ASTM D5185m	1320	1283	1953
Zinc	ppm	ASTM D5185m	21	38	61
Sulfur	ppm	ASTM D5185m	26743	23652	25756

CONTAMINANTS

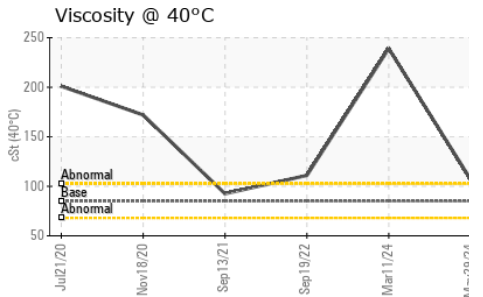
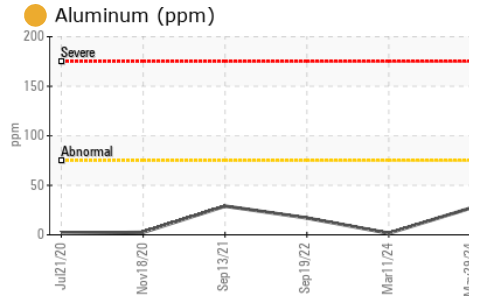
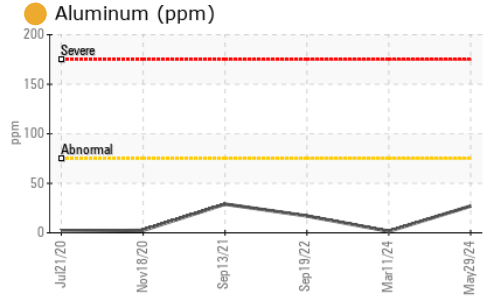
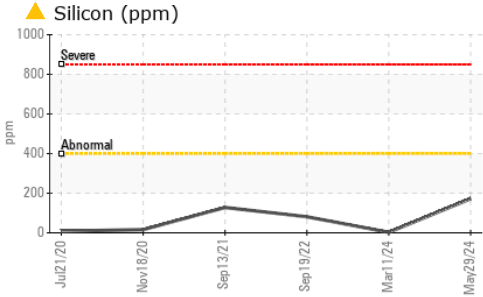
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	▲ 172	3	▲ 81
Sodium	ppm	ASTM D5185m	9	17	7
Potassium	ppm	ASTM D5185m >20	13	4	5

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	LIGHT	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

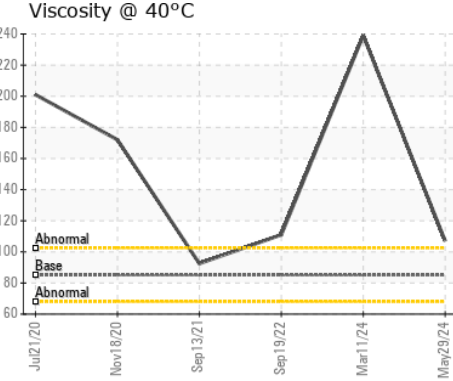
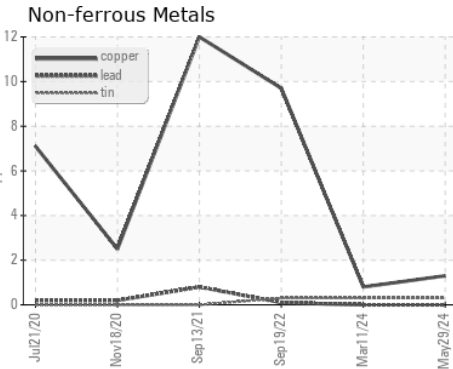
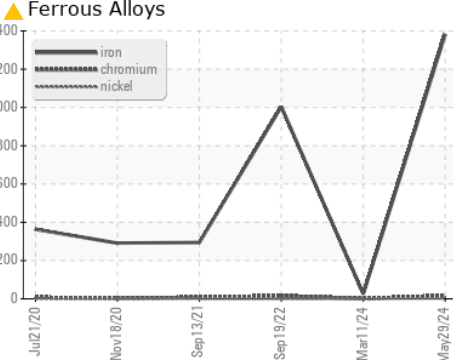


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 85	107	239	111

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. : WC0901238 **Received** : 10 Jun 2024
Lab Number : 06205187 **Tested** : 12 Jun 2024
Unique Number : 11072648 **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)