

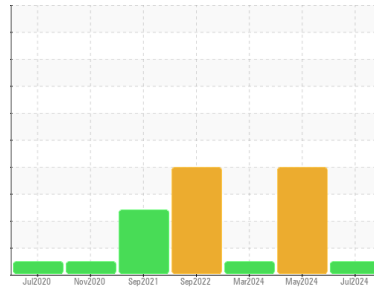


OIL ANALYSIS REPORT



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



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

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		WC0918347	WC0901238	WC0779817
Sample Date	Client Info		08 Jul 2024	29 May 2024	11 Mar 2024
Machine Age	hrs	Client Info	2958	5372	1616
Oil Age	hrs	Client Info	8	3756	0
Oil Changed	Client Info		Changed	Changed	Not Changed
Sample Status			NORMAL	ABNORMAL	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	478	▲ 1381	26
Chromium	ppm	ASTM D5185m >10	8	▲ 17	1
Nickel	ppm	ASTM D5185m >5	1	2	<1
Titanium	ppm	ASTM D5185m >15	<1	2	<1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >75	2	● 27	2
Lead	ppm	ASTM D5185m >10	1	0	0
Copper	ppm	ASTM D5185m >75	11	1	<1
Tin	ppm	ASTM D5185m >8	<1	<1	<1
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	153	277	242
Barium	ppm	ASTM D5185m	13	2	9
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	5	12	<1
Magnesium	ppm	ASTM D5185m	4	6	1
Calcium	ppm	ASTM D5185m	56	45	112
Phosphorus	ppm	ASTM D5185m	1412	1320	1283
Zinc	ppm	ASTM D5185m	68	21	38
Sulfur	ppm	ASTM D5185m	29022	26743	23652

CONTAMINANTS

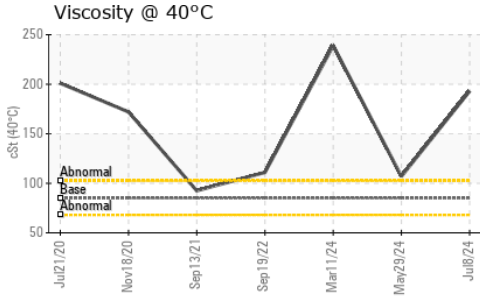
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	6	▲ 172	3
Sodium	ppm	ASTM D5185m	18	9	17
Potassium	ppm	ASTM D5185m >20	11	13	4

VISUAL

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



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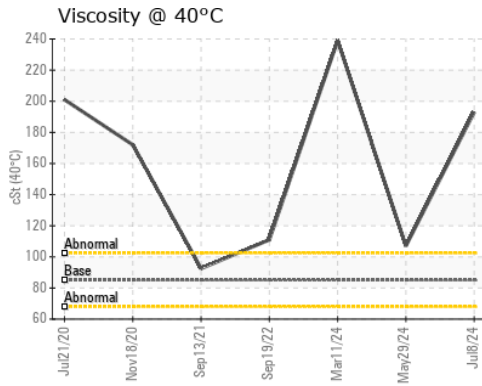
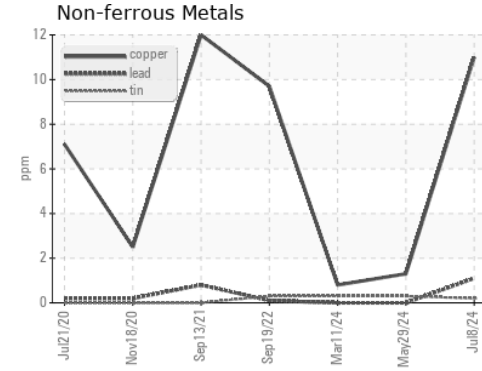
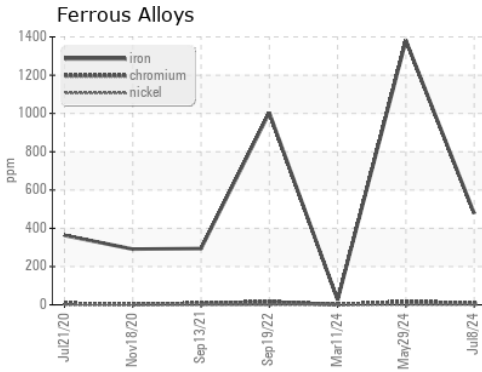
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 85	193	107	239

SAMPLE IMAGES

method	limit/base	current	history1	history2
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. : WC0918347
Lab Number : 06237162
Unique Number : 11125996
Test Package : CONST

Received : 15 Jul 2024
Tested : 17 Jul 2024
Diagnosed : 17 Jul 2024 - Don Baldrige

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)