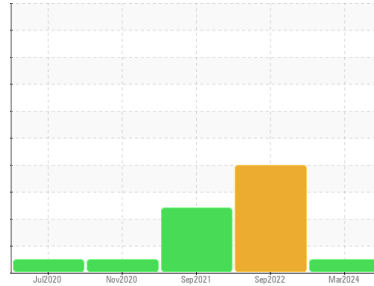




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
KANSAS/44/SKIDSTEER
 Machine Id
53.150L [KANSAS^44^SKIDSTEER]

Component
Rear Left Final Drive
 Fluid
MOBIL MOBILUBE HD PLUS 75W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: new final drive)

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	WC0779817	WC0673585	WC0584677
Sample Date	Client Info	11 Mar 2024	19 Sep 2022	13 Sep 2021
Machine Age	hrs	1616	1616	1164
Oil Age	hrs	0	452	280
Oil Changed	Client Info	Not Chngd	Changed	Changed
Sample Status		NORMAL	ABNORMAL	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 >500	26	▲ 1004	294
Chromium	ppm ASTM D5185m >10	1	▲ 16	7
Nickel	ppm ASTM D5185m >10	<1	<1	<1
Titanium	ppm ASTM D5185m	<1	1	2
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	2	● 17	● 29
Lead	ppm ASTM D5185m >25	0	<1	<1
Copper	ppm ASTM D5185m >50	<1	10	12
Tin	ppm ASTM D5185m >10	<1	<1	0
Antimony	ppm ASTM D5185m >5	---	---	0
Vanadium	ppm ASTM D5185m	0	0	<1
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	242	224	22
Barium	ppm ASTM D5185m	9	0	2
Molybdenum	ppm ASTM D5185m	<1	<1	6
Manganese	ppm ASTM D5185m	<1	8	3
Magnesium	ppm ASTM D5185m	1	4	57
Calcium	ppm ASTM D5185m	112	37	3949
Phosphorus	ppm ASTM D5185m	1283	1953	821
Zinc	ppm ASTM D5185m	38	61	1028
Sulfur	ppm ASTM D5185m	23652	25756	5078

CONTAMINANTS

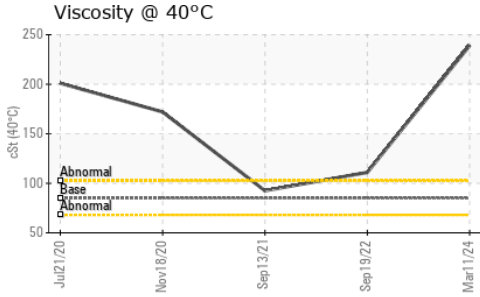
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	3	▲ 81	▲ 128
Sodium	ppm ASTM D5185m	17	7	2
Potassium	ppm ASTM D5185m >20	4	5	5

VISUAL

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

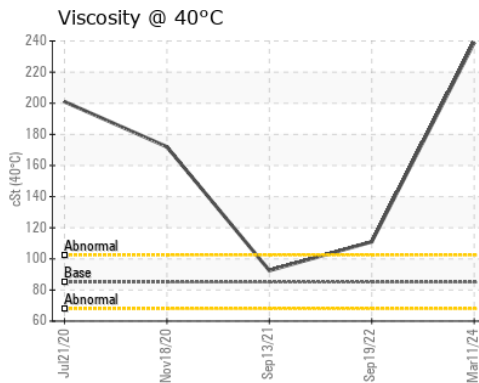
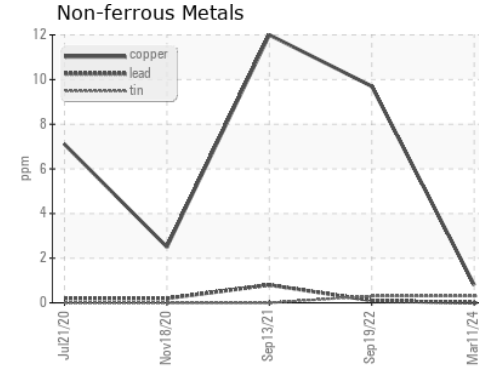
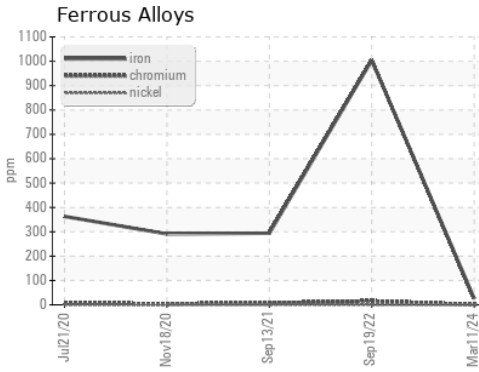


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 85	239	111	92.5

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. : WC0779817 **Received** : 18 Mar 2024
Lab Number : 06121802 **Tested** : 19 Mar 2024
Unique Number : 10935953 **Diagnosed** : 21 Mar 2024 - Jonathan Hester
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)