

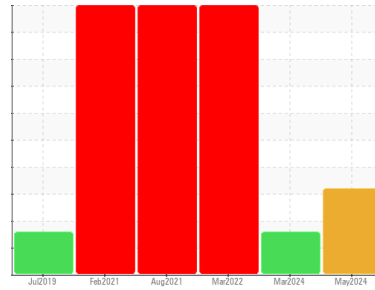


OIL ANALYSIS REPORT



Area
OKLAHOMA/102/EG - SKID STEER
 Machine Id
53.138L [OKLAHOMA^102^EG - SKID STEER]
 Component
Left Final Drive
 Fluid
Mobil 1 Synthetic Gear Lubricant LS 75W-140 (--- GAL)

Sample Rating Trend



WATER



DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 4913 hours)

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water present in the oil.

● Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0901322	WC0864250	WC0678854
Sample Date	Client Info		21 May 2024	12 Mar 2024	15 Mar 2022
Machine Age	hrs	Client Info	4913	4864	3345
Oil Age	hrs	Client Info	3345	1457	475
Oil Changed	Client Info		N/A	N/A	Changed
Sample Status			ABNORMAL	ABNORMAL	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	662	▲ 1294	▲ 1547
Chromium	ppm	ASTM D5185m >10	7	▲ 12	▲ 25
Nickel	ppm	ASTM D5185m >5	0	1	1
Titanium	ppm	ASTM D5185m >15	<1	1	1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >75	11	10	● 17
Lead	ppm	ASTM D5185m >10	0	<1	0
Copper	ppm	ASTM D5185m >75	<1	2	2
Tin	ppm	ASTM D5185m >8	0	0	<1
Antimony	ppm	ASTM D5185m >50	---	---	---
Vanadium	ppm	ASTM D5185m	0	<1	<1
Cadmium	ppm	ASTM D5185m	0	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	39	32	38
Barium	ppm	ASTM D5185m	0	<1	0
Molybdenum	ppm	ASTM D5185m	2	2	1
Manganese	ppm	ASTM D5185m	4	7	13
Magnesium	ppm	ASTM D5185m	30	2	6
Calcium	ppm	ASTM D5185m	● 2310	42	25
Phosphorus	ppm	ASTM D5185m	● 947	449	435
Zinc	ppm	ASTM D5185m	● 924	8	8
Sulfur	ppm	ASTM D5185m	● 11334	19020	15261

CONTAMINANTS

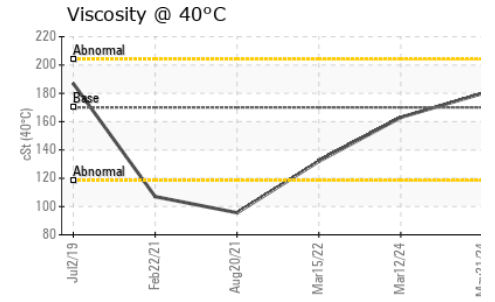
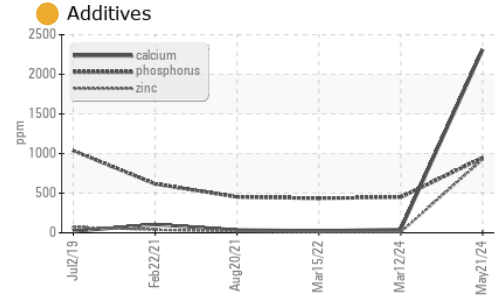
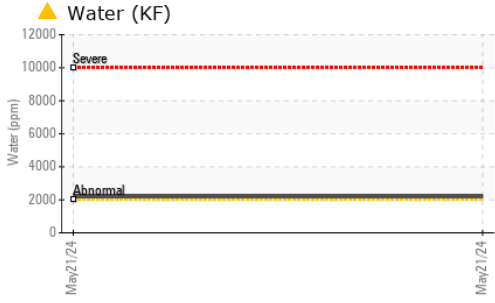
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	55	43	▲ 80
Sodium	ppm	ASTM D5185m	1	0	2
Potassium	ppm	ASTM D5185m >20	0	6	4
Water	%	ASTM D6304 >0.2	▲ 0.219	---	---
ppm Water	ppm	ASTM D6304 >2000	▲ 2190	---	---

VISUAL

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



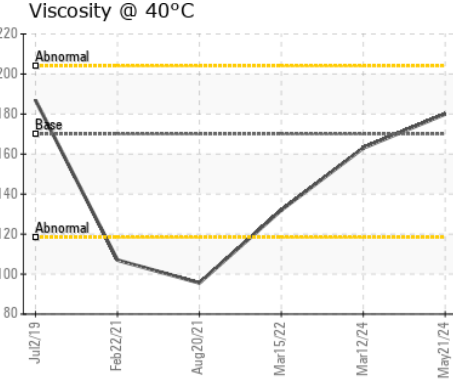
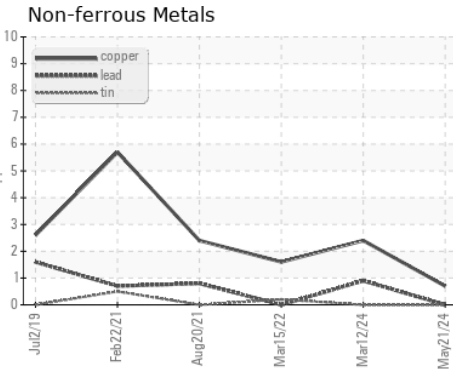
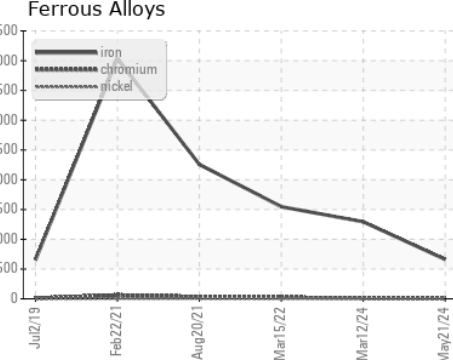
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	170	180	163	132

SAMPLE IMAGES	method	limit/base	current	history1	history2	
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. : WC0901322 **Received** : 07 Jun 2024
Lab Number : 06203683 **Tested** : 11 Jun 2024
Unique Number : 11071144 **Diagnosed** : 12 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF)

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)