



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
OKLAHOMA/102/EG - SKID STEER
Machine Id
53.170L [OKLAHOMA^102^EG - SKID STEER]
Component
Right Chain Case
Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0908890	WC0873975	WC0800860
Sample Date		Client Info		25 Jun 2024	03 Jan 2024	06 Jun 2023
Machine Age	hrs	Client Info		2687	2023	1416
Oil Age	hrs	Client Info		664	1000	1416
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>632	212	▲ 1206	513
Chromium	ppm	ASTM D5185m	>3	2	2	2
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m		<1	1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>19	6	4	6
Lead	ppm	ASTM D5185m	>6	0	0	0
Copper	ppm	ASTM D5185m	>46	<1	4	2
Tin	ppm	ASTM D5185m	>3	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

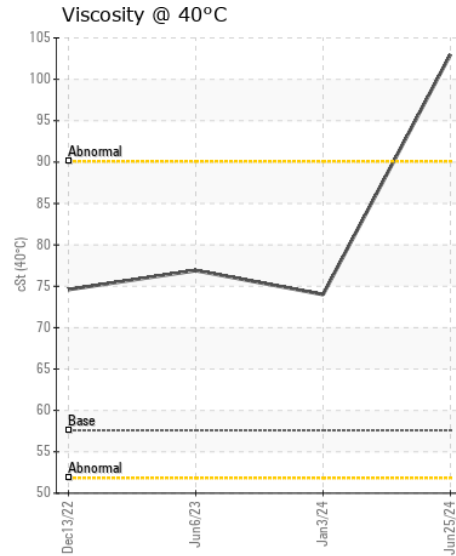
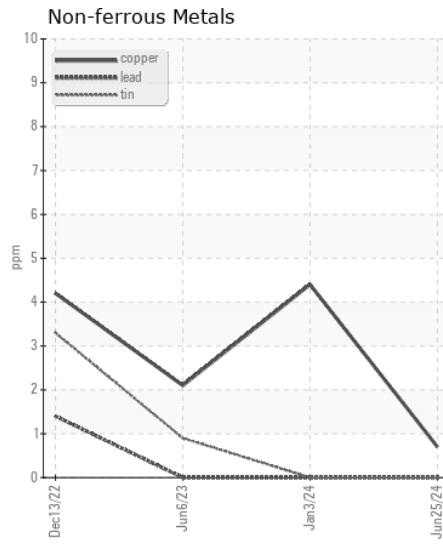
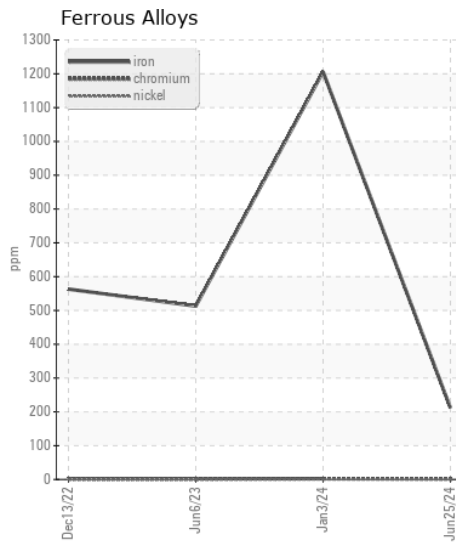
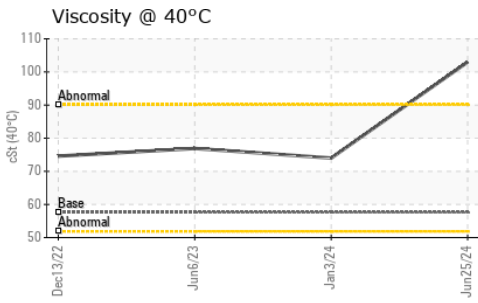
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>82	40	▲ 82	48
Potassium	ppm	ASTM D5185m	>20	4	8	3
Water		WC Method	>0.2	NEG	NEG	NEG
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

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	6	3
Boron	ppm	ASTM D5185m		34	62	49
Barium	ppm	ASTM D5185m		2	48	50
Molybdenum	ppm	ASTM D5185m		<1	40	27
Manganese	ppm	ASTM D5185m		2	13	6
Magnesium	ppm	ASTM D5185m		13	455	324
Calcium	ppm	ASTM D5185m		3137	1609	1125
Phosphorus	ppm	ASTM D5185m		1029	856	649
Zinc	ppm	ASTM D5185m		1188	1110	795
Sulfur	ppm	ASTM D5185m		4770	3027	2479
Visc @ 40°C	cSt	ASTM D445	57.6	103	74.0	76.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0908890
Lab Number : 06235249
Unique Number : 11124083
Test Package : CONST

Received : 12 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Sean Felton

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: SHAWN SOUTH
 shawn.south@sherwood.net

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)

T: x:
 F: x: