

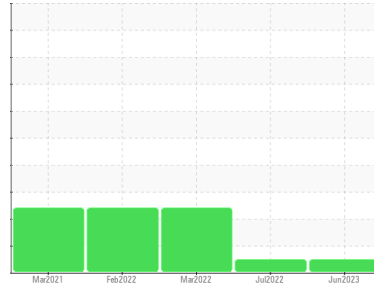


OIL ANALYSIS REPORT



Area
OKLAHOMA/102
Machine Id
35.105L [OKLAHOMA^102]
Component
Left Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (2 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		WC0808022	WC0713144	WC0678857
Sample Date	Client Info		30 Jun 2023	21 Jul 2022	15 Mar 2022
Machine Age	hrs	Client Info	2950	2390	2053
Oil Age	hrs	Client Info	897	136	2053
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			NORMAL	NORMAL	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	79	29	117
Chromium	ppm	ASTM D5185m >10	4	2	5
Nickel	ppm	ASTM D5185m >5	0	0	<1
Titanium	ppm	ASTM D5185m >15	<1	<1	<1
Silver	ppm	ASTM D5185m >2	0	0	<1
Aluminum	ppm	ASTM D5185m >75	7	4	8
Lead	ppm	ASTM D5185m >10	<1	<1	0
Copper	ppm	ASTM D5185m >75	<1	0	<1
Tin	ppm	ASTM D5185m >8	<1	<1	<1
Antimony	ppm	ASTM D5185m >50	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	28	35	▲ 105
Barium	ppm	ASTM D5185m	<1	<1	2
Molybdenum	ppm	ASTM D5185m	3	3	1
Manganese	ppm	ASTM D5185m	2	1	4
Magnesium	ppm	ASTM D5185m	24	22	4
Calcium	ppm	ASTM D5185m	2808	2721	▲ 381
Phosphorus	ppm	ASTM D5185m	976	904	▲ 354
Zinc	ppm	ASTM D5185m	1165	1104	▲ 56
Sulfur	ppm	ASTM D5185m	12487	11688	▲ 6323

CONTAMINANTS

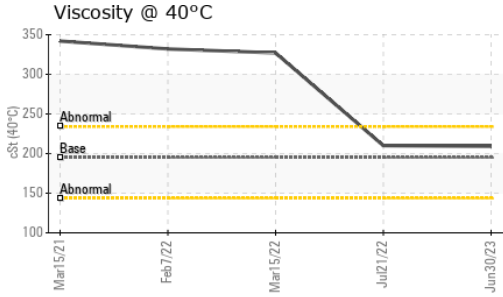
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	44	20	42
Sodium	ppm	ASTM D5185m	3	2	6
Potassium	ppm	ASTM D5185m >20	2	0	1

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
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	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



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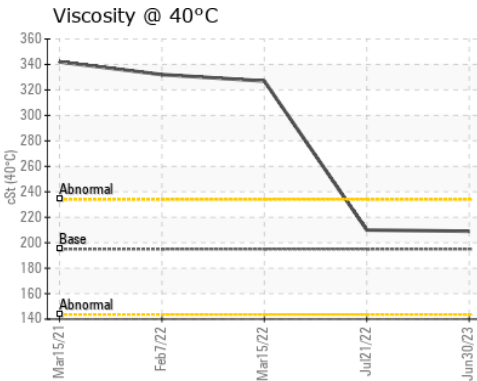
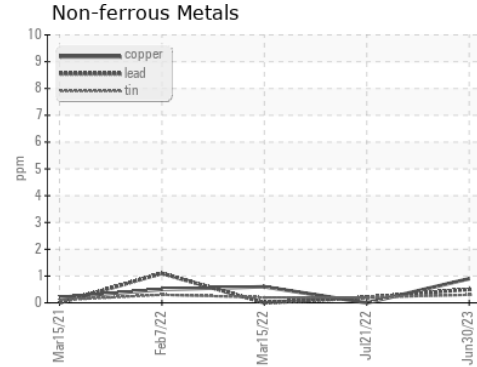
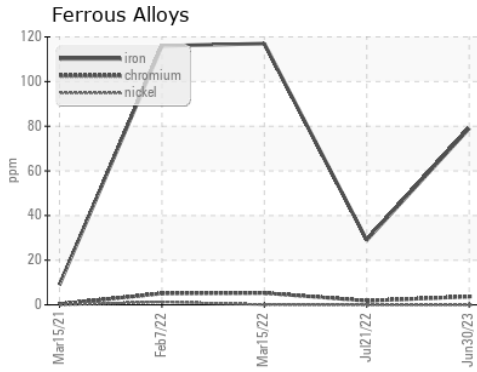


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	195	209	210	▲ 327

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. : WC0808022 **Received** : 14 Jul 2023
Lab Number : 05898948 **Diagnosed** : 17 Jul 2023
Unique Number : 10560304 **Diagnostician** : Don Baldrige
Test Package : CONST

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: DOUG KING
 Doug.King@sherwood.net
 T:
 F:

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)