



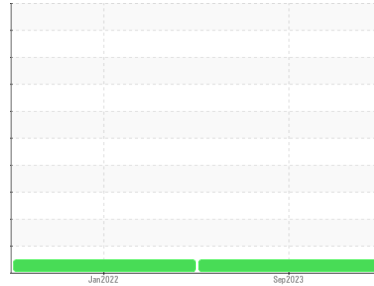
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/102
Machine Id
45.63L [OKLAHOMA^102]
Component
Front Differential
Fluid
MOBIL MOBILFLUID 424 (5 GAL)



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

Confirm oil type. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0848893	WC0584641	---
Sample Date	Client Info	09 Sep 2023	14 Jan 2022	---
Machine Age	hrs Client Info	1430	11	---
Oil Age	hrs Client Info	500	0	---
Oil Changed	Client Info	Not Chngd	Not Chngd	---
Sample Status		NORMAL	NORMAL	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	56	11	---
Chromium ppm ASTM D5185m	>3	<1	<1	---
Nickel ppm ASTM D5185m	>3	2	0	---
Titanium ppm ASTM D5185m	>2	0	0	---
Silver ppm ASTM D5185m	>2	0	0	---
Aluminum ppm ASTM D5185m	>30	0	2	---
Lead ppm ASTM D5185m	>13	0	0	---
Copper ppm ASTM D5185m	>103	4	<1	---
Tin ppm ASTM D5185m	>5	0	0	---
Antimony ppm ASTM D5185m	>5	---	0	---
Vanadium ppm ASTM D5185m		0	0	---
Cadmium ppm ASTM D5185m		0	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		5	3	---
Barium ppm ASTM D5185m		0	0	---
Molybdenum ppm ASTM D5185m		5	2	---
Manganese ppm ASTM D5185m		4	3	---
Magnesium ppm ASTM D5185m		1	<1	---
Calcium ppm ASTM D5185m		37	10	---
Phosphorus ppm ASTM D5185m		2164	2151	---
Zinc ppm ASTM D5185m		67	8	---
Sulfur ppm ASTM D5185m		29220	24088	---

CONTAMINANTS

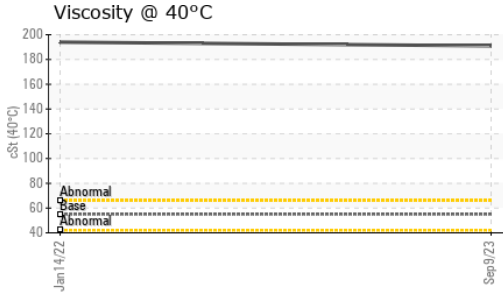
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>100	14	16	---
Sodium ppm ASTM D5185m		5	1	---
Potassium ppm ASTM D5185m	>20	2	0	---

VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	NONE	---
Yellow Metal scalar *Visual	NONE	NONE	NONE	---
Precipitate scalar *Visual	NONE	NONE	NONE	---
Silt scalar *Visual	NONE	NONE	NONE	---
Debris scalar *Visual	NONE	NONE	NONE	---
Sand/Dirt scalar *Visual	NONE	NONE	NONE	---
Appearance scalar *Visual	NORML	NORML	NORML	---
Odor scalar *Visual	NORML	NORML	NORML	---
Emulsified Water scalar *Visual	>.2	NEG	NEG	---
Free Water scalar *Visual		NEG	NEG	---



OIL ANALYSIS REPORT

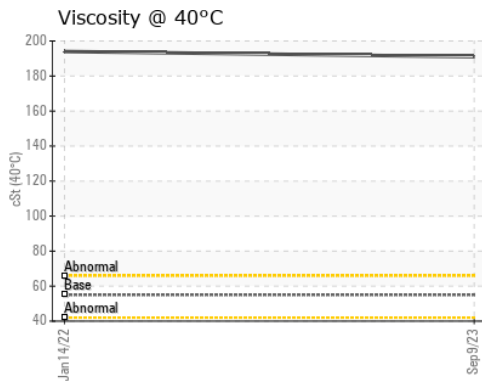
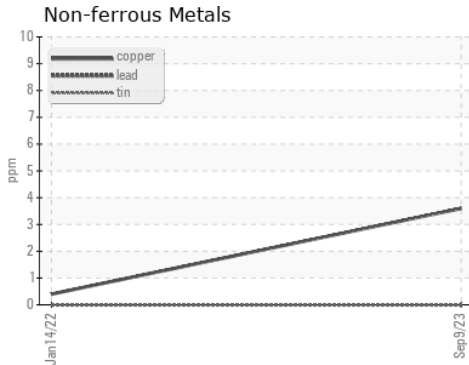
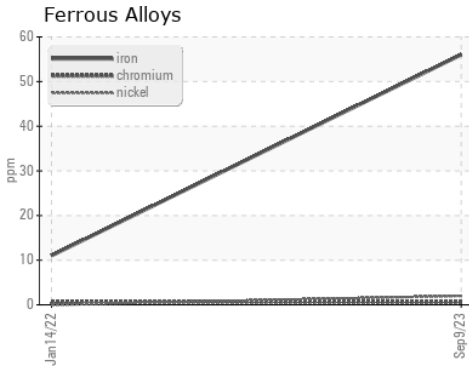


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	191	194	---

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. : WC0848893 **Received** : 22 Sep 2023
Lab Number : 05958829 **Diagnosed** : 24 Sep 2023
Unique Number : 10660042 **Diagnostician** : Don Baldrige
Test Package : CONST

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: