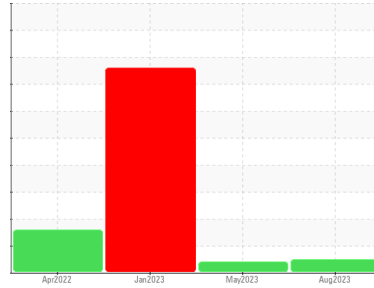




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
OKLAHOMA/105/COOL - Loader
 Machine Id
46.102L [OKLAHOMA^105^COOL - Loader]
 Component
Front Differential
 Fluid
MOBIL MOBILFLUID 424 (11 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

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0834155	WC0808105	WC0778397
Sample Date	Client Info		01 Aug 2023	25 May 2023	24 Jan 2023
Machine Age	hrs	Client Info	13548	13113	12564
Oil Age	hrs	Client Info	11169	11169	1000
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	ATTENTION	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	301	87	1647
Chromium	ppm	ASTM D5185m >10	<1	<1	3
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	4	1	8
Lead	ppm	ASTM D5185m >25	0	0	<1
Copper	ppm	ASTM D5185m >100	<1	1	1
Tin	ppm	ASTM D5185m >10	0	<1	0
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	124	15	124
Barium	ppm	ASTM D5185m	2	0	0
Molybdenum	ppm	ASTM D5185m	1	3	1
Manganese	ppm	ASTM D5185m	2	1	12
Magnesium	ppm	ASTM D5185m	20	27	21
Calcium	ppm	ASTM D5185m	3469	2995	3671
Phosphorus	ppm	ASTM D5185m	1129	1055	1186
Zinc	ppm	ASTM D5185m	1374	1348	1427
Sulfur	ppm	ASTM D5185m	4836	10535	4236

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	17	13	50
Sodium	ppm	ASTM D5185m	0	<1	<1
Potassium	ppm	ASTM D5185m >20	2	1	2

VISUAL

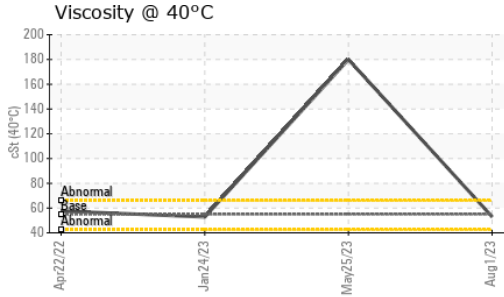
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >.2	NEG	NEG	0.2%
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	53.0	180.0	52.8

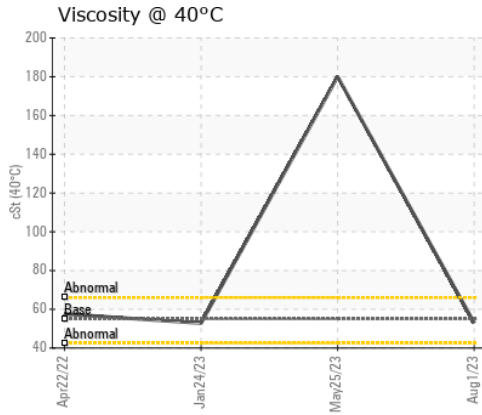
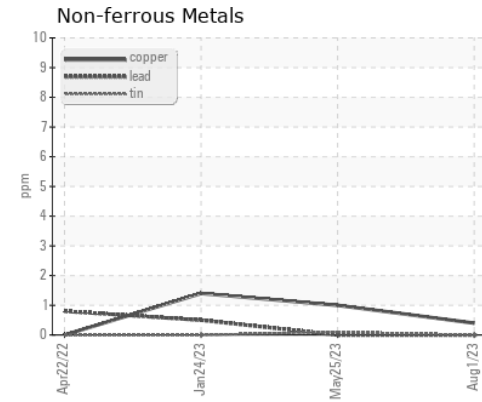
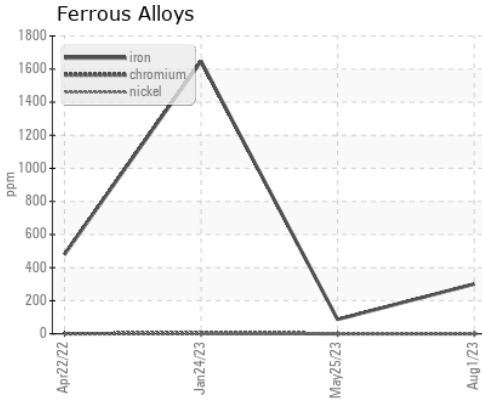


OIL ANALYSIS REPORT



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. : WC0834155 **Received** : 14 Aug 2023
Lab Number : **05923720** **Diagnosed** : 15 Aug 2023
Unique Number : 10603667 **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: (316)617-3161
 F: x:

Certificate L2367
 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)