



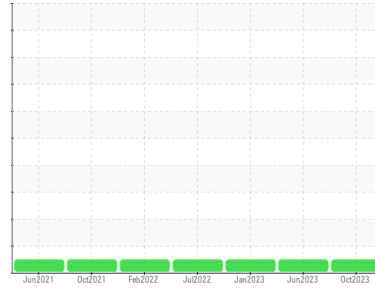
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
COLORADO/443/EG - LOADER
 Machine Id
45.52L [COLORADO^443^EG - LOADER]
 Component
Rear Differential
 Fluid
MOBIL MOBILFLUID 424 (9 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		WC0859712	WC0823238	WC0766089
Sample Date	Client Info		26 Oct 2023	08 Jun 2023	09 Jan 2023
Machine Age	hrs	Client Info	4065	3532	2977
Oil Age	hrs	Client Info	0	555	1327
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	63	53	104
Chromium	ppm	ASTM D5185m >3	<1	1	2
Nickel	ppm	ASTM D5185m >3	<1	<1	<1
Titanium	ppm	ASTM D5185m >2	0	<1	<1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >30	1	2	2
Lead	ppm	ASTM D5185m >13	<1	0	<1
Copper	ppm	ASTM D5185m >103	1	<1	2
Tin	ppm	ASTM D5185m >5	<1	<1	<1
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	41	37	109
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	2	2	4
Manganese	ppm	ASTM D5185m	1	1	3
Magnesium	ppm	ASTM D5185m	8	13	22
Calcium	ppm	ASTM D5185m	3566	3671	2438
Phosphorus	ppm	ASTM D5185m	945	998	1002
Zinc	ppm	ASTM D5185m	1284	1276	1246
Sulfur	ppm	ASTM D5185m	4318	4948	4716

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	9	10	18
Sodium	ppm	ASTM D5185m	2	3	7
Potassium	ppm	ASTM D5185m >20	0	1	<1

VISUAL

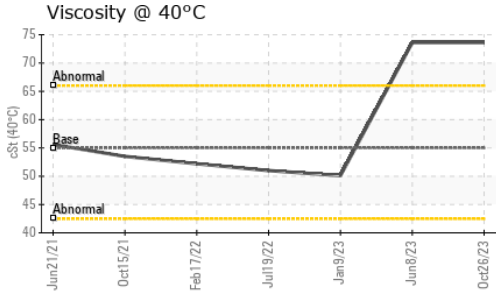
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	VLITE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE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

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	73.6	73.6	50.1

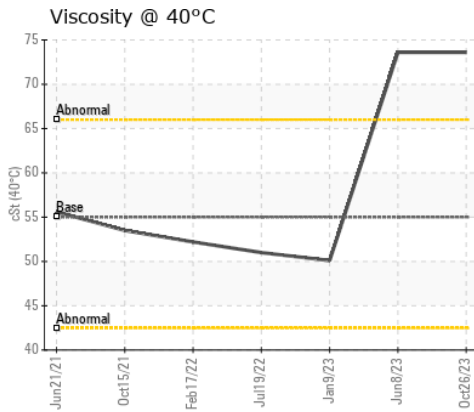
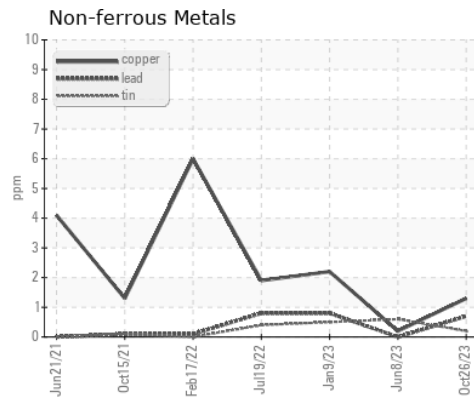
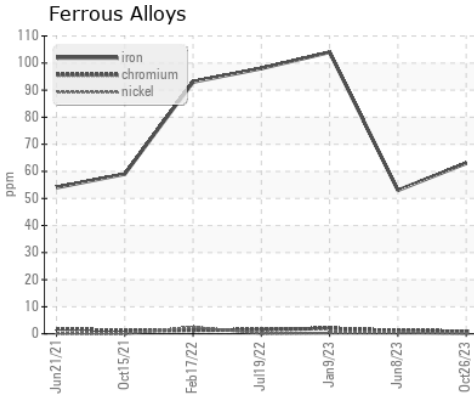


OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0859712 **Received** : 31 Oct 2023
Lab Number : 05995137 **Diagnosed** : 02 Nov 2023
Unique Number : 10723497 **Diagnostician** : Sean Felton
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:

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)