

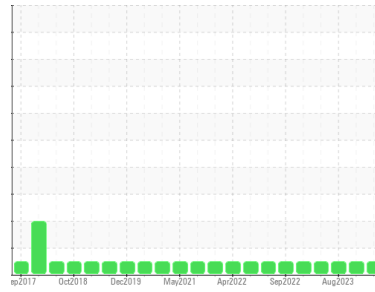


OIL ANALYSIS REPORT



Area
COLORADO/443/TR - LOADER
 Machine Id
46.85L [COLORADO^443^TR - LOADER]
 Component
Front Differential
 Fluid
MOBIL MOBILTRANS AST 30 (--- 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		WC0928685	WC0884077	WC0823065
Sample Date	Client Info		08 May 2024	31 Jan 2024	31 Aug 2023
Machine Age	hrs	Client Info	10106	9966	9622
Oil Age	hrs	Client Info	140	0	574
Oil Changed	Client Info		Not Chngd	Changed	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	30	61	55
Chromium	ppm	ASTM D5185m >3	<1	1	<1
Nickel	ppm	ASTM D5185m >3	0	1	0
Titanium	ppm	ASTM D5185m >2	<1	<1	0
Silver	ppm	ASTM D5185m >2	0	<1	0
Aluminum	ppm	ASTM D5185m >30	1	3	<1
Lead	ppm	ASTM D5185m >13	0	1	0
Copper	ppm	ASTM D5185m >103	6	13	10
Tin	ppm	ASTM D5185m >5	<1	1	0
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	36	35	38
Barium	ppm	ASTM D5185m	0	0	7
Molybdenum	ppm	ASTM D5185m	0	2	0
Manganese	ppm	ASTM D5185m	1	2	<1
Magnesium	ppm	ASTM D5185m	13	15	21
Calcium	ppm	ASTM D5185m	3117	3065	3019
Phosphorus	ppm	ASTM D5185m	989	994	927
Zinc	ppm	ASTM D5185m	1186	1234	1155
Sulfur	ppm	ASTM D5185m	5521	4923	6048

CONTAMINANTS

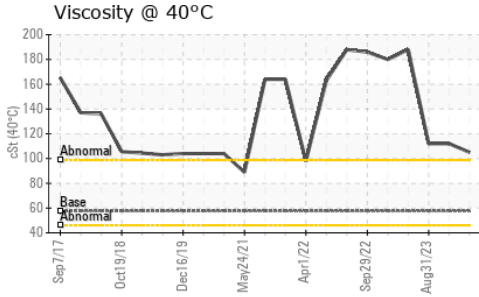
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >100	7	9	10
Sodium	ppm	ASTM D5185m	2	0	<1
Potassium	ppm	ASTM D5185m >20	0	2	0

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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



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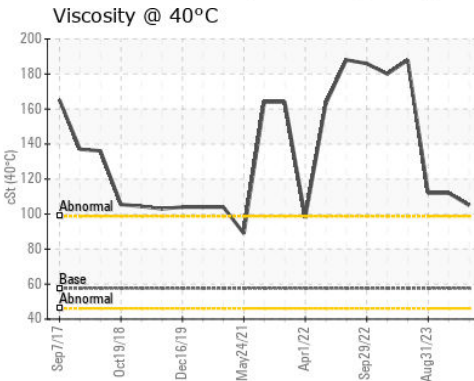
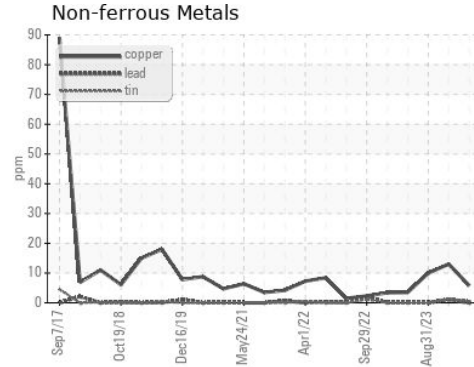
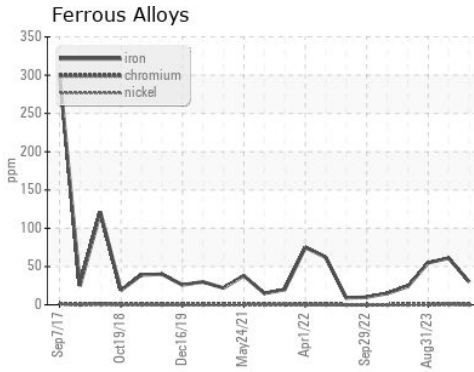


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.6	105	112	112

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. : WC0928685
Lab Number : **06177538**
Unique Number : 11023591
Test Package : CONST

Received : 13 May 2024
Tested : 14 May 2024
Diagnosed : 15 May 2024 - Don Baldrige

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)