



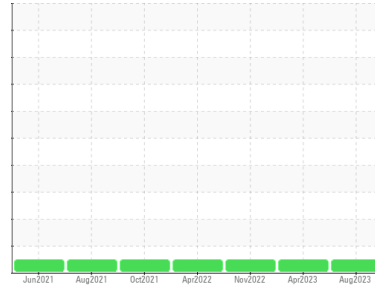
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
KANSAS/44
Machine Id
20.525L [KANSAS^44]
Component
Right Final Drive
Fluid
MOBIL MOBILTRANS HD 50 (2 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		WC0821617	WC0789742	WC0745901
Sample Date	Client Info		22 Aug 2023	24 Apr 2023	26 Nov 2022
Machine Age	hrs	Client Info	1859	1548	1284
Oil Age	hrs	Client Info	311	1548	1128
Oil Changed	Client Info		Not Chngd	Changed	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	115	104	85
Chromium	ppm	ASTM D5185m >10	2	2	1
Nickel	ppm	ASTM D5185m >5	0	0	<1
Titanium	ppm	ASTM D5185m >15	<1	<1	<1
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >75	4	4	3
Lead	ppm	ASTM D5185m >10	0	0	<1
Copper	ppm	ASTM D5185m >75	4	4	4
Tin	ppm	ASTM D5185m >8	0	0	<1
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	0	<1	3
Barium	ppm	ASTM D5185m	15	19	18
Molybdenum	ppm	ASTM D5185m	1	<1	1
Manganese	ppm	ASTM D5185m	3	3	2
Magnesium	ppm	ASTM D5185m	11	17	16
Calcium	ppm	ASTM D5185m	3611	3366	3418
Phosphorus	ppm	ASTM D5185m	928	872	838
Zinc	ppm	ASTM D5185m	1100	1060	1028
Sulfur	ppm	ASTM D5185m	11993	11272	10400

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	35	31	24
Sodium	ppm	ASTM D5185m	9	7	7
Potassium	ppm	ASTM D5185m >20	1	<1	0

VISUAL

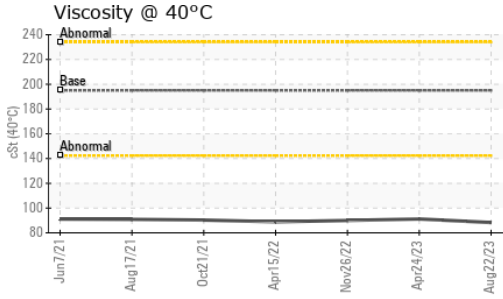
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE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

FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 195	88.3	91.2	90.0

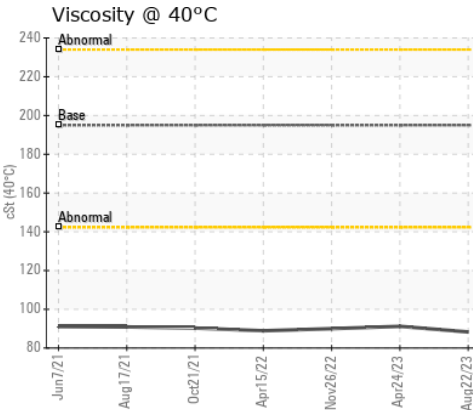
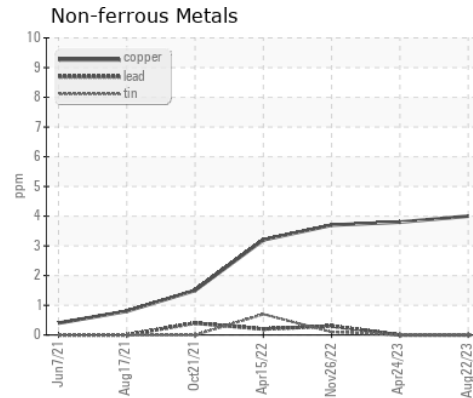
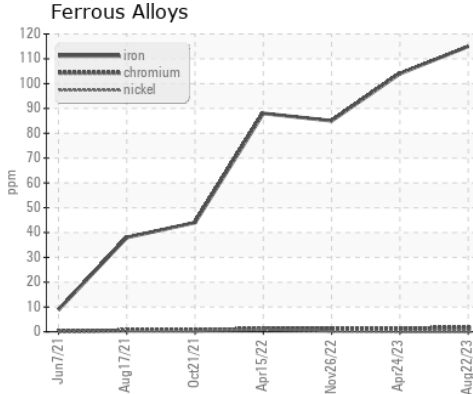


OIL ANALYSIS REPORT



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. : WC0821617 **Received** : 28 Aug 2023
Lab Number : 05936443 **Diagnosed** : 29 Aug 2023
Unique Number : 10621714 **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)