

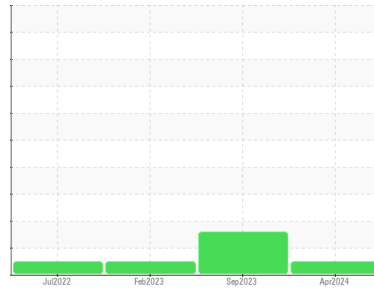


OIL ANALYSIS REPORT



Area
COLORADO/443
 Machine Id
53.157L [COLORADO^443]
 Component
Right Chain Case
 Fluid
MOBIL MOBILTRANS AST 30 (3 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		WC0918158	WC0823060	WC0749870
Sample Date	Client Info		08 Apr 2024	18 Sep 2023	01 Feb 2023
Machine Age	hrs	Client Info	1836	1369	909
Oil Age	hrs	Client Info	1836	1369	909
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >632	173	609	352
Chromium	ppm	ASTM D5185m >3	1	1	1
Nickel	ppm	ASTM D5185m >3	1	<1	<1
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	<1	0	0
Aluminum	ppm	ASTM D5185m >19	1	4	2
Lead	ppm	ASTM D5185m >6	1	<1	<1
Copper	ppm	ASTM D5185m >46	1	2	1
Tin	ppm	ASTM D5185m >3	1	<1	1
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	1	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	75	65	69
Barium	ppm	ASTM D5185m	6	62	63
Molybdenum	ppm	ASTM D5185m	37	40	38
Manganese	ppm	ASTM D5185m	3	6	4
Magnesium	ppm	ASTM D5185m	448	465	482
Calcium	ppm	ASTM D5185m	1583	1587	1564
Phosphorus	ppm	ASTM D5185m	993	919	890
Zinc	ppm	ASTM D5185m	1030	1103	1087
Sulfur	ppm	ASTM D5185m	3453	3304	3480

CONTAMINANTS

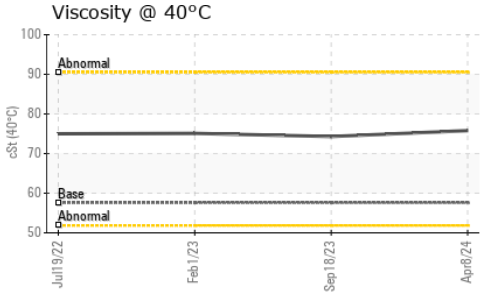
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >82	21	▲ 100	80
Sodium	ppm	ASTM D5185m	2	3	3
Potassium	ppm	ASTM D5185m >20	2	5	4

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	MODER	NONE	MODER
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	MODER	NONE	LIGHT
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



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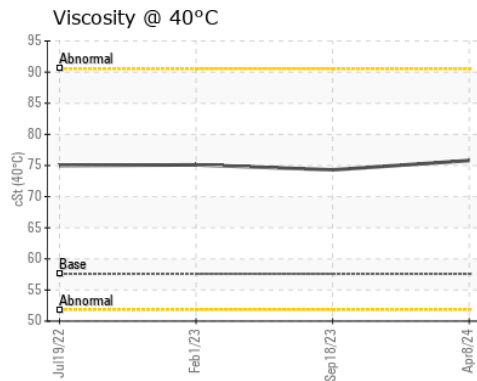
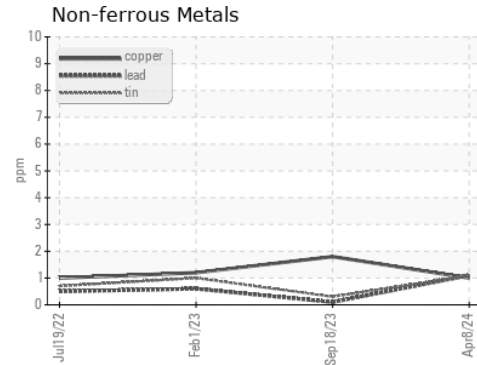
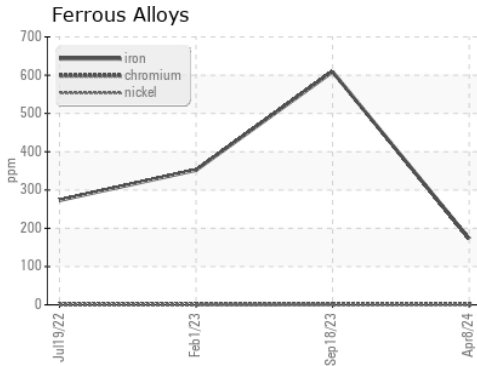
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	57.6	75.8	74.3	75.1

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. : WC0918158
Lab Number : 06152405
Unique Number : 10982483
Test Package : CONST

Received : 17 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 22 Apr 2024 - Don Baldrige

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: BILL ORCUTT
 william.orcutt@wildcat.net
 T: (719)499-6303
 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)