

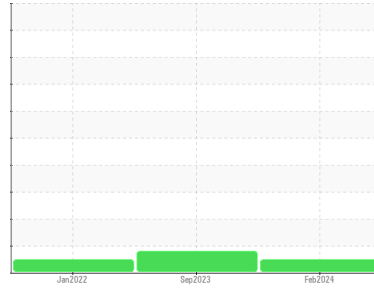


OIL ANALYSIS REPORT



Area
OKLAHOMA/102
Machine Id
45.63L [OKLAHOMA^102]
Component
Hydraulic System
Fluid
MOBIL MOBILTRANS AST 30 (24 GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	WC0886882	WC0848884	WC0584643	
Sample Date	Client Info	06 Feb 2024	09 Sep 2023	14 Jan 2022	
Machine Age	hrs	Client Info	1755	1430	11
Oil Age	hrs	Client Info	500	500	0
Oil Changed	Client Info	Not Chngd	Changed	Not Chngd	
Sample Status		NORMAL	ATTENTION	NORMAL	

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	10	8	<1
Chromium	ppm ASTM D5185m >10	<1	0	0
Nickel	ppm ASTM D5185m >10	<1	0	0
Titanium	ppm ASTM D5185m	<1	0	0
Silver	ppm ASTM D5185m	<1	0	<1
Aluminum	ppm ASTM D5185m >10	<1	1	0
Lead	ppm ASTM D5185m >10	1	0	0
Copper	ppm ASTM D5185m >75	7	5	3
Tin	ppm ASTM D5185m >10	<1	0	0
Antimony	ppm ASTM D5185m	---	---	0
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	2	0	0
Barium	ppm ASTM D5185m	5	0	<1
Molybdenum	ppm ASTM D5185m	<1	0	0
Manganese	ppm ASTM D5185m	<1	0	0
Magnesium	ppm ASTM D5185m	4	10	2
Calcium	ppm ASTM D5185m	327	405	175
Phosphorus	ppm ASTM D5185m	632	723	684
Zinc	ppm ASTM D5185m	856	981	951
Sulfur	ppm ASTM D5185m	1912	2406	1731

CONTAMINANTS

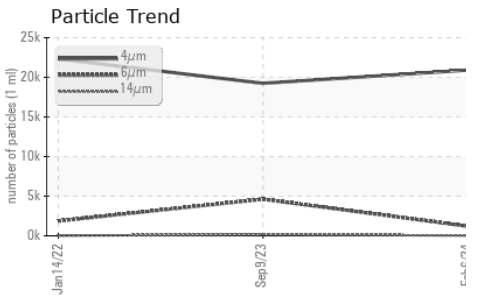
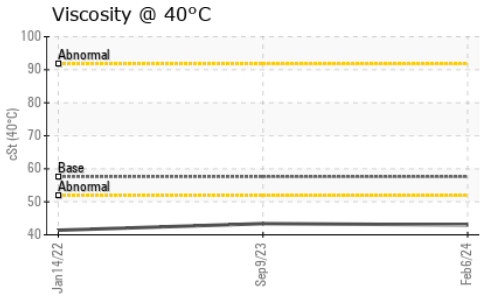
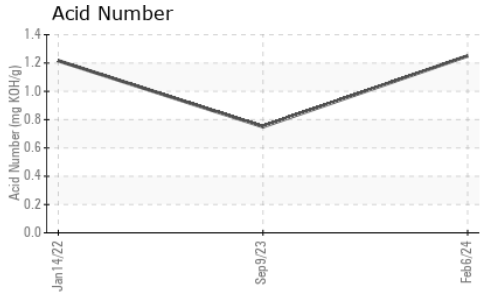
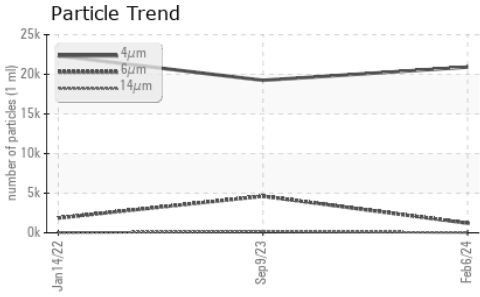
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	3	1	<1
Sodium	ppm ASTM D5185m	0	4	<1
Potassium	ppm ASTM D5185m >20	2	3	0

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	20916	19244	22322
Particles >6µm	ASTM D7647 >2500	1215	4625	1866
Particles >14µm	ASTM D7647 >640	31	168	21
Particles >21µm	ASTM D7647 >160	9	28	6
Particles >38µm	ASTM D7647 >40	1	1	0
Particles >71µm	ASTM D7647 >10	0	0	0
Oil Cleanliness	ISO 4406 (c) >--/18/16	22/17/12	21/19/15	22/18/12



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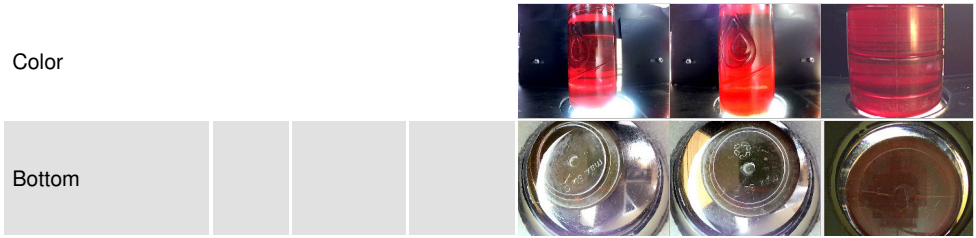


FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.25	0.75	1.216

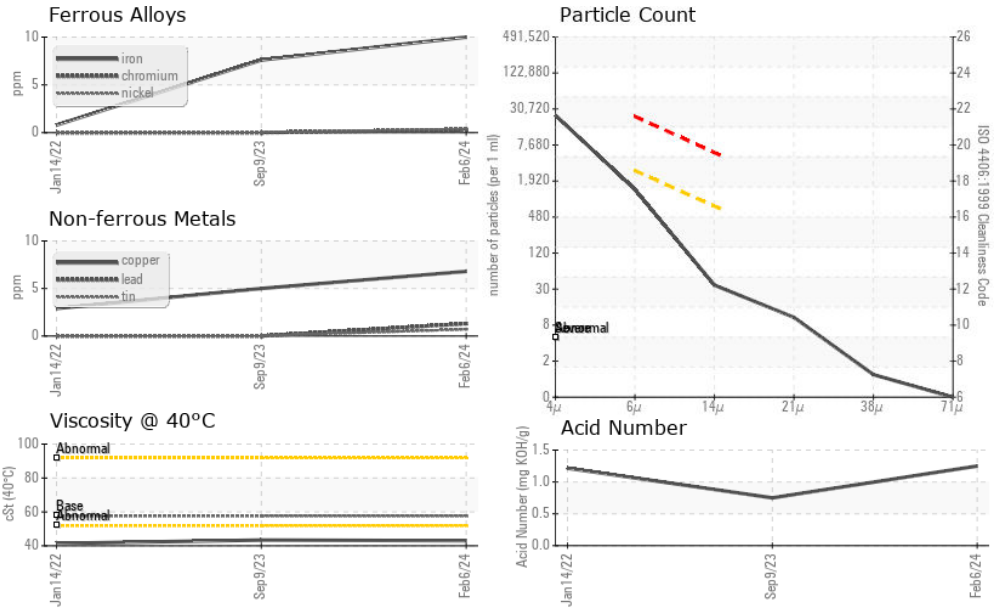
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.6	43.4	41.4

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0886882
Lab Number : 06098315
Unique Number : 10896545
Test Package : CONST
Received : 23 Feb 2024
Tested : 26 Feb 2024
Diagnosed : 26 Feb 2024 - Don Baldrige

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: SHAWN SOUTH
 shawn.south@sherwood.net

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)

T : x:
F : x: