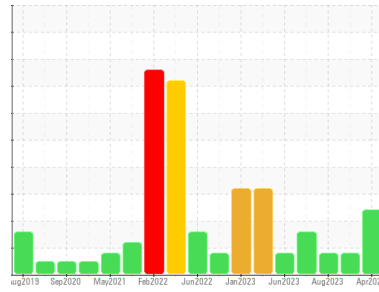




OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
JLG 1255 016-0118 (S/N 0160086959)
 Component
Front Axle
 Fluid
SCHAEFFER SCHAEFFER 293 MOLY 75W90 (2 QTS)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

There is a moderate concentration of water present 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		WC0903843	WC0868327	WC0815023
Sample Date	Client Info		16 Apr 2024	27 Oct 2023	15 Aug 2023
Machine Age	hrs	Client Info	12777	11871	11041
Oil Age	hrs	Client Info	11041	0	0
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	▲ 543	▲ 537	▲ 822
Chromium	ppm	ASTM D5185m >10	2	2	2
Nickel	ppm	ASTM D5185m >10	1	<1	<1
Titanium	ppm	ASTM D5185m	1	0	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	7	<1	5
Lead	ppm	ASTM D5185m >25	1	0	0
Copper	ppm	ASTM D5185m >50	2	0	<1
Tin	ppm	ASTM D5185m >10	<1	0	0
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	1	<1	8
Barium	ppm	ASTM D5185m	4	0	0
Molybdenum	ppm	ASTM D5185m	73	140	123
Manganese	ppm	ASTM D5185m	4	4	4
Magnesium	ppm	ASTM D5185m	4	<1	0
Calcium	ppm	ASTM D5185m	74	11	14
Phosphorus	ppm	ASTM D5185m	495	442	494
Zinc	ppm	ASTM D5185m	21	50	20
Sulfur	ppm	ASTM D5185m	19775	12096	14701

CONTAMINANTS

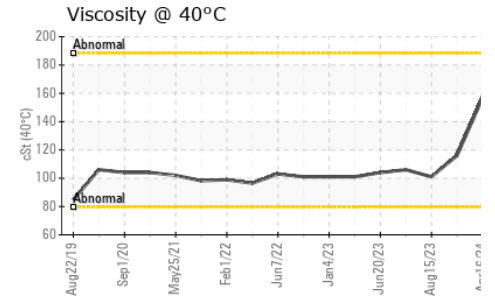
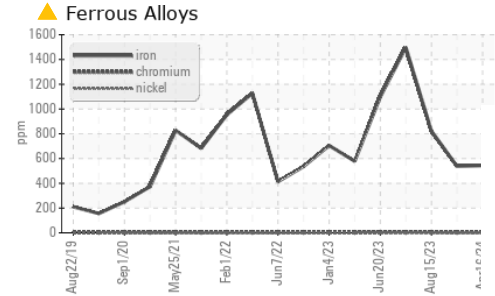
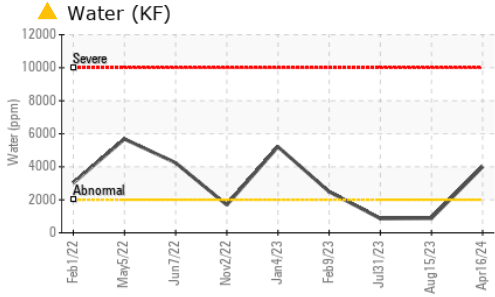
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	46	6	28
Sodium	ppm	ASTM D5185m	3	<1	<1
Potassium	ppm	ASTM D5185m >20	4	<1	0
Water	%	ASTM D6304 >0.2	▲ 0.400	---	0.088
ppm Water	ppm	ASTM D6304 >2000	▲ 4000	---	880

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	HAZY	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	▲ 0.2%	NEG	0.2%
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT

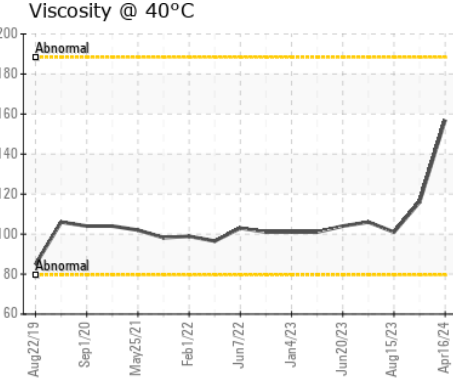
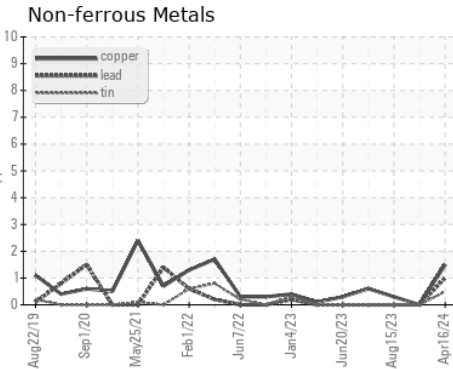
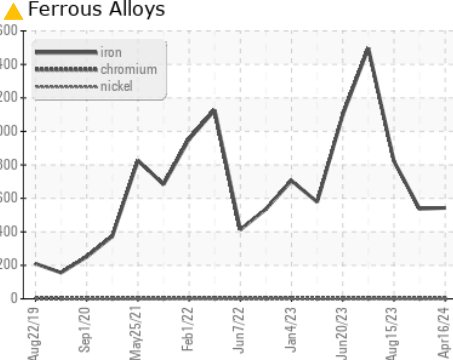


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	157	116	101

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. : WC0903843 **Received** : 18 Apr 2024
Lab Number : **06153521** **Tested** : 22 Apr 2024
Unique Number : 10983599 **Diagnosed** : 22 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF)

SHIMMICK CONSTRUCTION
 5535 TRAILHEAD DRIVE
 CHATTANOOGA, TN
 US 37415
 Contact: DANIEL LISELLA
 daniel.lisella@shimmick.com

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:
F: