



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JLG 1255 016-0118 (S/N 0160086959)
 Component
Front Axle
 Fluid
SCHAEFFER SCHAEFFER 293 MOLY 75W90 (3 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: Front Axle sample. 12983 hours)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868365	WC0903843	WC0868327
Sample Date		Client Info		18 May 2024	16 Apr 2024	27 Oct 2023
Machine Age	hrs	Client Info		12983	12777	11871
Oil Age	hrs	Client Info		11041	11041	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 998	▲ 543	▲ 537
Chromium	ppm	ASTM D5185m	>10	3	2	2
Nickel	ppm	ASTM D5185m	>10	<1	1	<1
Titanium	ppm	ASTM D5185m		<1	1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	10	7	<1
Lead	ppm	ASTM D5185m	>25	0	1	0
Copper	ppm	ASTM D5185m	>50	0	2	0
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

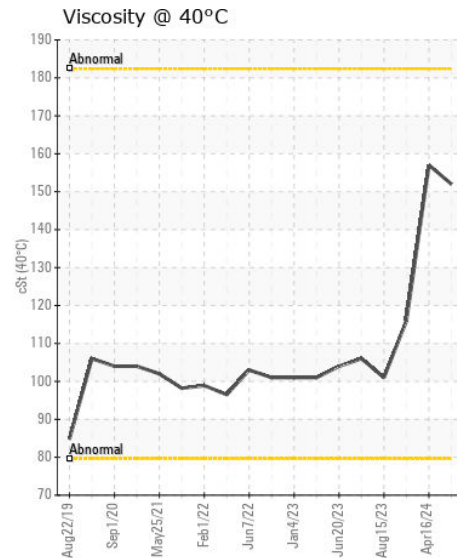
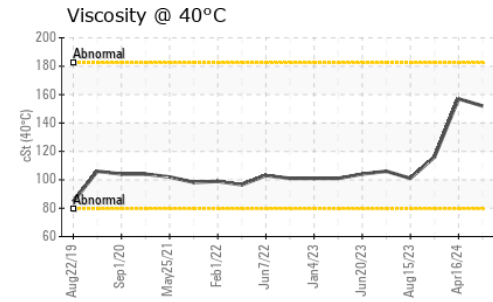
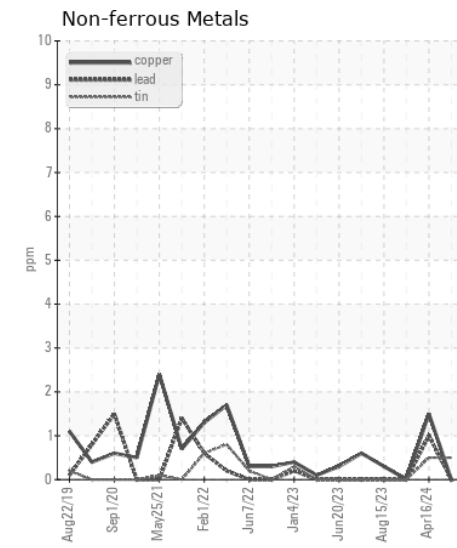
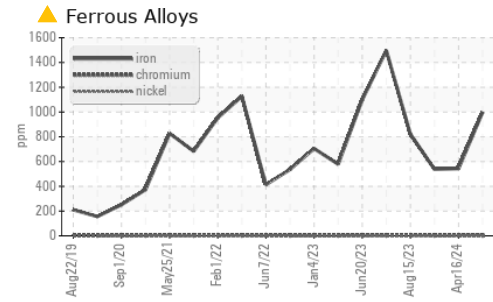
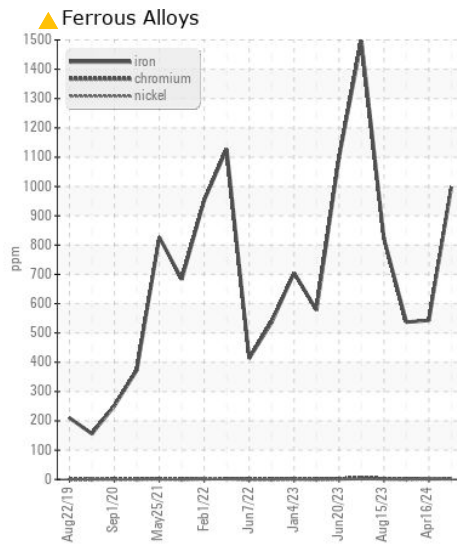
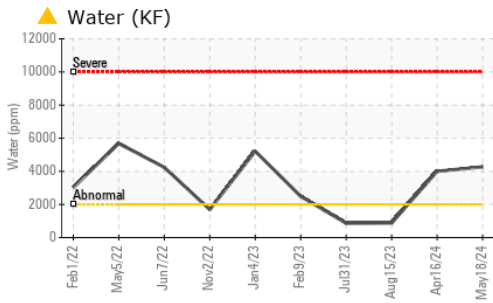
There is a moderate concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	63	46	6
Potassium	ppm	ASTM D5185m	>20	2	4	<1
Water	%	ASTM D6304	>0.2	▲ 0.427	▲ 0.400	---
ppm Water	ppm	ASTM D6304	>2000	▲ 4270	▲ 4000	---
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	HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	▲ 0.2%	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		4	3	<1
Boron	ppm	ASTM D5185m		5	1	<1
Barium	ppm	ASTM D5185m		0	4	0
Molybdenum	ppm	ASTM D5185m		94	73	140
Manganese	ppm	ASTM D5185m		6	4	4
Magnesium	ppm	ASTM D5185m		0	4	<1
Calcium	ppm	ASTM D5185m		63	74	11
Phosphorus	ppm	ASTM D5185m		477	495	442
Zinc	ppm	ASTM D5185m		16	21	50
Sulfur	ppm	ASTM D5185m		20503	19775	12096
Visc @ 40°C	cSt	ASTM D445		152	157	116



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868365 **Received** : 22 May 2024
Lab Number : 06188077 **Tested** : 24 May 2024
Unique Number : 11044829 **Diagnosed** : 24 May 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)

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F: