



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JLG 1255 016-0118 (S/N 0160086959)
 Component
Rear Right Final Drive
 Fluid
SCHAEFFER SCHAEFFER 293 MOLY 75W90 (2 QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Right rear final drive sample. 12983 hours)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868369	WC0904103	WC0868328
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	NORMAL	NORMAL

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 509	494	408
Chromium	ppm	ASTM D5185m	>10	4	5	4
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	2	<1
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	12	16	9
Tin	ppm	ASTM D5185m	>10	0	<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

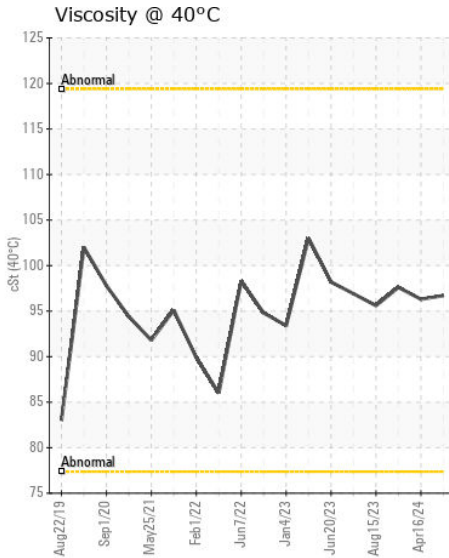
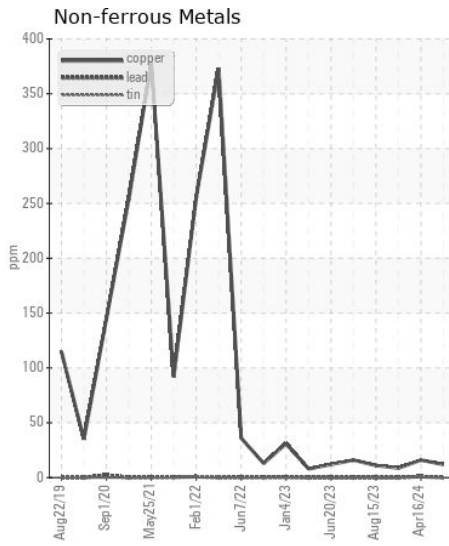
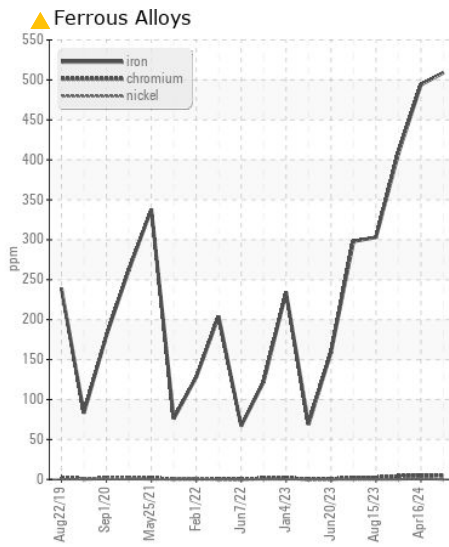
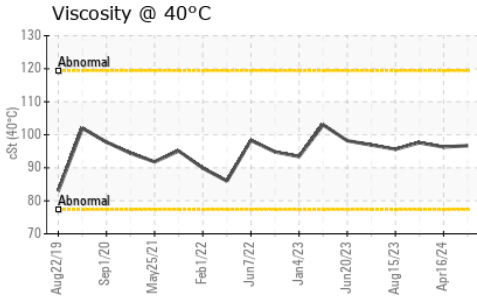
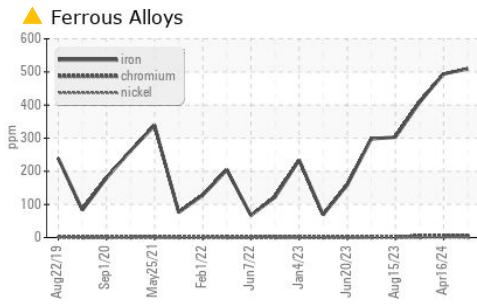
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	12	13	7
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	NONE	MODER
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	1
Boron	ppm	ASTM D5185m		16	12	10
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		234	243	236
Manganese	ppm	ASTM D5185m		8	9	7
Magnesium	ppm	ASTM D5185m		0	3	<1
Calcium	ppm	ASTM D5185m		35	45	36
Phosphorus	ppm	ASTM D5185m		503	536	459
Zinc	ppm	ASTM D5185m		52	58	57
Sulfur	ppm	ASTM D5185m		15189	14741	12295
Visc @ 40°C	cSt	ASTM D445		96.7	96.3	97.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868369
Lab Number : 06188073
Unique Number : 11044825
Test Package : CONST
Received : 22 May 2024
Tested : 24 May 2024
Diagnosed : 24 May 2024 - Sean Felton

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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