



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JLG 1200 SJP 014-0125 (S/N 0300213740)
 Component
Hydraulic System
 Fluid
SCHAEFFER 315 SIMPLEX SUPREME (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868355	WC0815200	WC0815039
Sample Date		Client Info		07 Nov 2023	18 Sep 2023	01 Sep 2023
Machine Age	hrs	Client Info		4715	4590	4523
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	4	4	4
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	1	0
Lead	ppm	ASTM D5185m	>10	1	<1	1
Copper	ppm	ASTM D5185m	>75	9	8	8
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

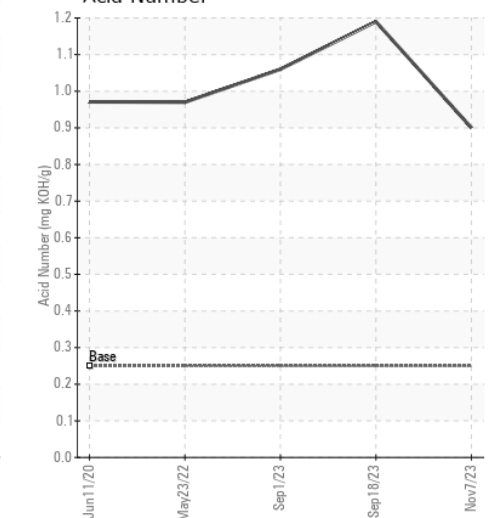
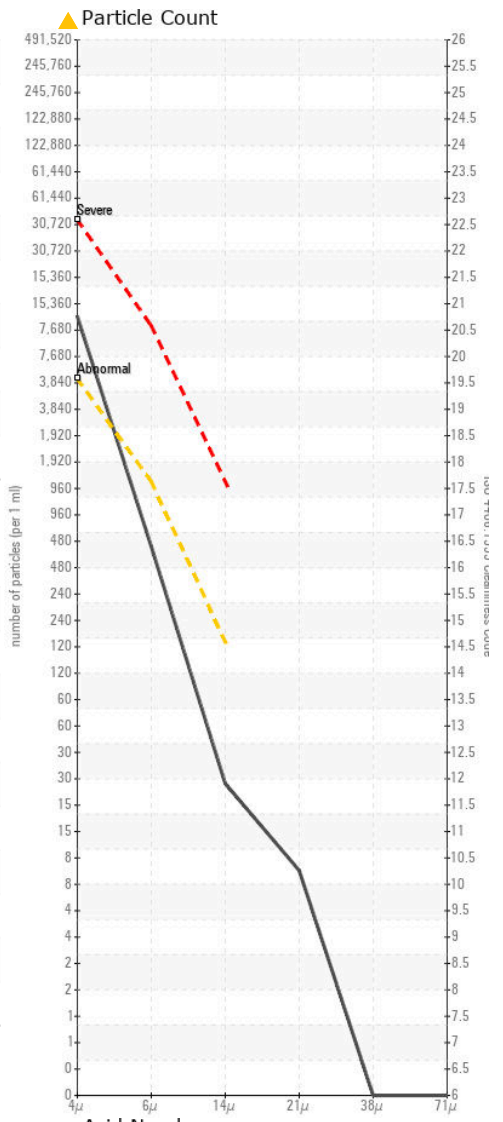
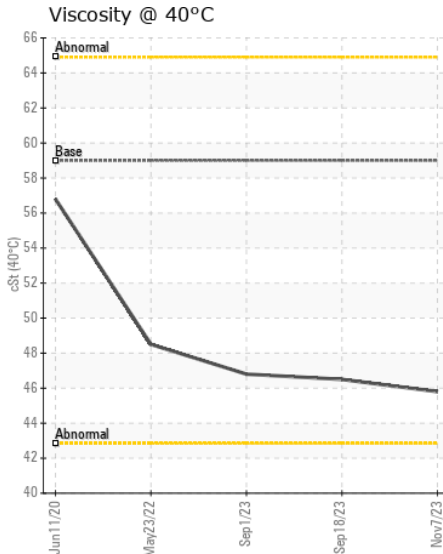
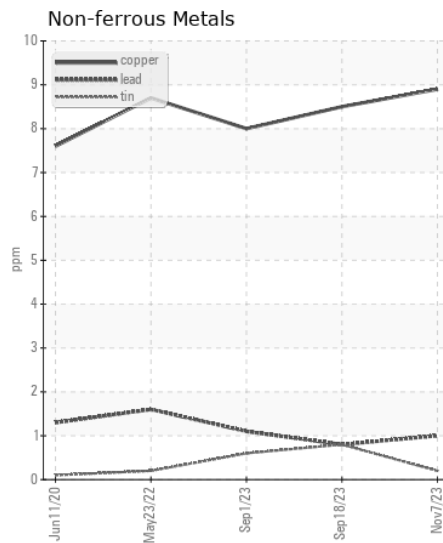
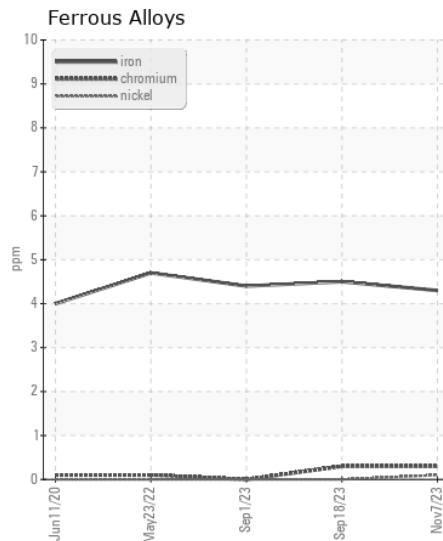
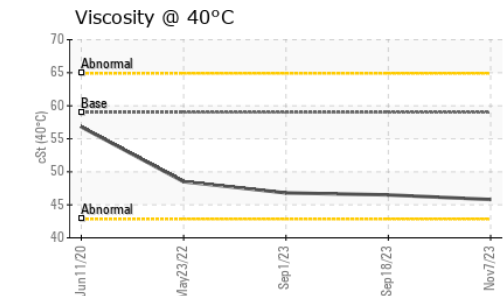
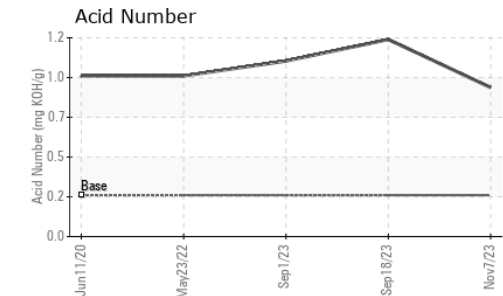
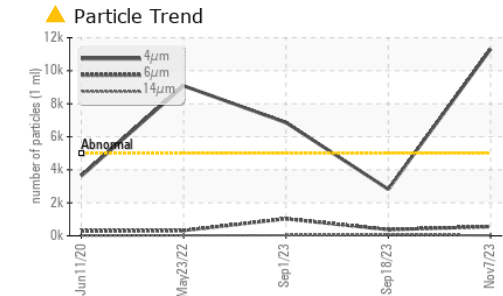
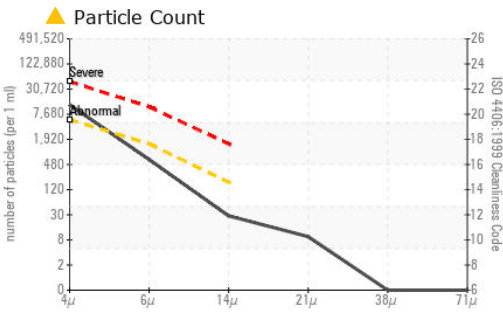
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	8	8	8
Potassium	ppm	ASTM D5185m	>20	3	4	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 11314	2819	● 6860
Particles >6µm		ASTM D7647	>1300	556	372	1033
Particles >14µm		ASTM D7647	>160	25	61	35
Particles >21µm		ASTM D7647	>40	8	18	5
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/16/12	19/16/13	● 20/17/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sodium	ppm	ASTM D5185m		0	4	2
Boron	ppm	ASTM D5185m	100	76	71	76
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	0	35	27	28
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	10	16	10
Calcium	ppm	ASTM D5185m	4300	2932	3203	3016
Phosphorus	ppm	ASTM D5185m	1400	1094	1118	1028
Zinc	ppm	ASTM D5185m	1700	1292	1387	1276
Sulfur	ppm	ASTM D5185m	3800	6146	7655	6622
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	0.90	1.19	1.06
Visc @ 40°C	cSt	ASTM D445	59	45.8	46.5	46.8



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868355 **Received** : 21 Nov 2023
Lab Number : 06014507 **Tested** : 23 Nov 2023
Unique Number : 10753651 **Diagnosed** : 23 Nov 2023 - Wes Davis
Test Package : CONST

SHIMMICK CONSTRUCTION
 5535 TRAILHEAD DRIVE
 CHATTANOOGA, TN
 US 37415
 Contact: DANIEL LISELLA
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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)