



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JLG 1200 SJP 014-0102

Component
Hydraulic System

Fluid
SCHAEFFER 315 SIMPLEX SUPREME (100 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0904105	WC0750744	WC0590773
Sample Date		Client Info		12 Apr 2024	07 Feb 2023	10 Jan 2022
Machine Age	hrs	Client Info		4194	3189	2122
Oil Age	hrs	Client Info		231	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>20	4	6	4
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>10	1	2	2
Lead	ppm	ASTM D5185m	>10	1	1	1
Copper	ppm	ASTM D5185m	>75	8	10	9
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

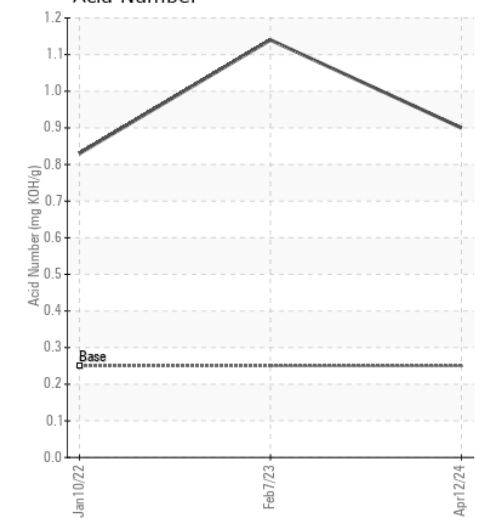
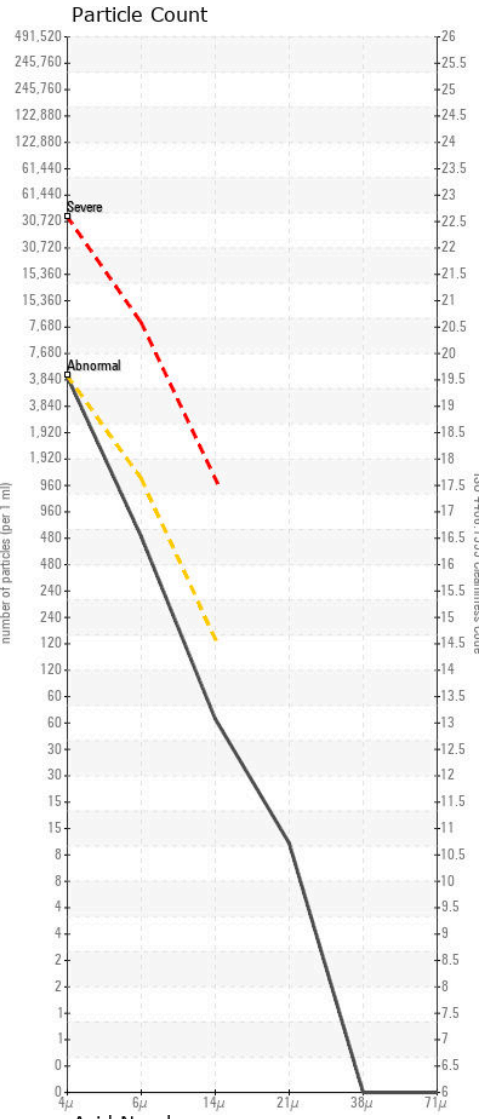
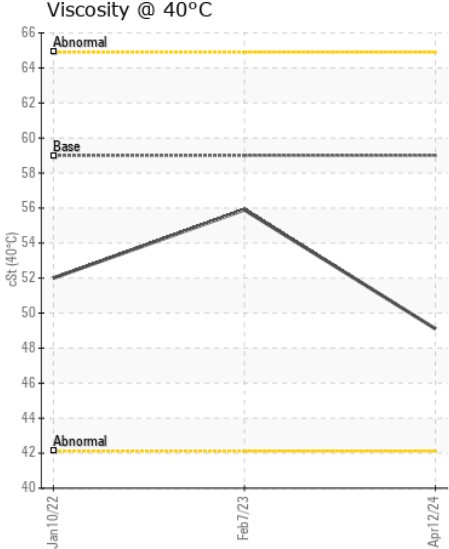
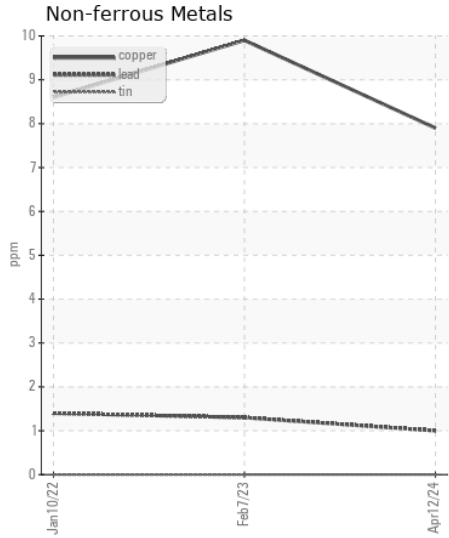
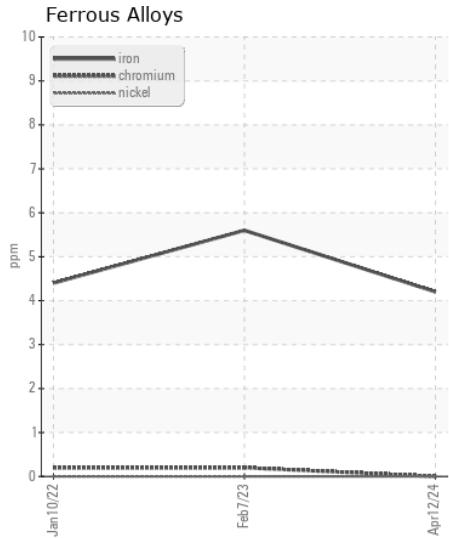
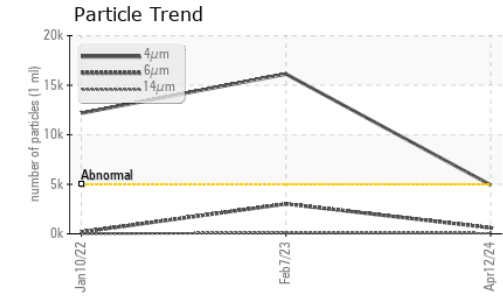
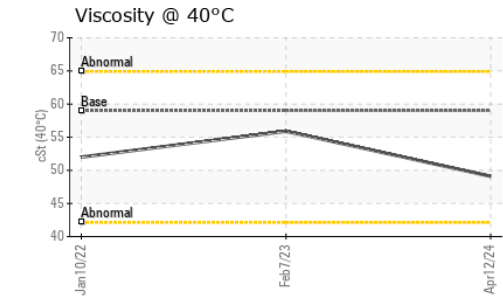
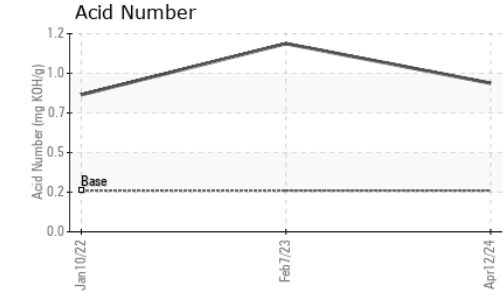
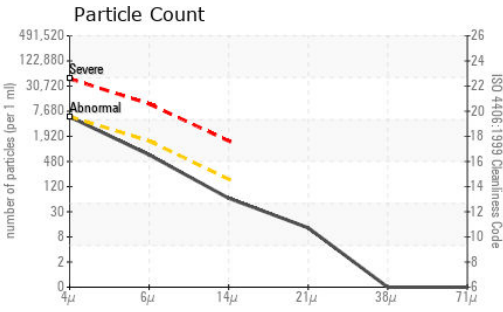
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	8	11	10
Potassium	ppm	ASTM D5185m	>20	13	4	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	4931	▲ 16128	▲ 12179
Particles >6µm		ASTM D7647	>1300	608	▲ 3021	175
Particles >14µm		ASTM D7647	>160	56	97	12
Particles >21µm		ASTM D7647	>40	11	15	3
Particles >38µm		ASTM D7647	>10	0	2	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/13	▲ 21/19/14	▲ 21/15/11
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	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 condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		5	1	<1
Boron	ppm	ASTM D5185m	100	71	108	104
Barium	ppm	ASTM D5185m		<1	2	0
Molybdenum	ppm	ASTM D5185m	0	52	2	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	8	13	14
Calcium	ppm	ASTM D5185m	4300	2230	3404	3384
Phosphorus	ppm	ASTM D5185m	1400	800	1065	1073
Zinc	ppm	ASTM D5185m	1700	902	1341	1275
Sulfur	ppm	ASTM D5185m	3800	5590	6833	6761
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	0.90	1.14	0.83
Visc @ 40°C	cSt	ASTM D445	59	49.1	55.9	52.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0904105 **Received** : 17 Apr 2024
Lab Number : 06151932 **Tested** : 18 Apr 2024
Unique Number : 10982010 **Diagnosed** : 18 Apr 2024 - Wes Davis
Test Package : CONST

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

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)