OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
JLG 1255 016-0118 (S/N 0160086959)
Component
Hydraulic System
Fluid
SCHAEFFER 315 SIMPLEX SUPREME (30 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

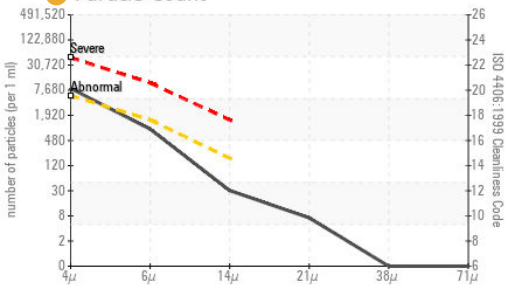
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

FLUID CONDITION

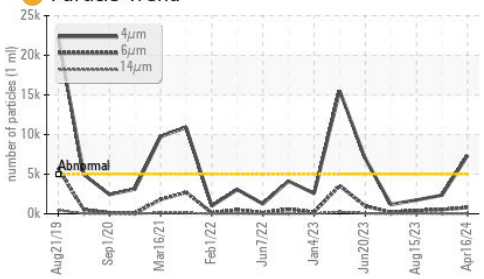
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0903844**	WC0868325	WC0815015
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		**10041**	0	0
Filter Age	hrs	Client Info		**10041**	0	0
Oil Changed		Client Info		**Changed**	Not Changd	Changed
Filter Changed		Client Info		**Changed**	Not Changd	Changed
Sample Status				**ATTENTION**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>20	**2**	1	3
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m	>10	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**<1**	0	0
Aluminum	ppm	ASTM D5185m	>10	**<1**	<1	0
Lead	ppm	ASTM D5185m	>10	**0**	0	0
Copper	ppm	ASTM D5185m	>75	**2**	<1	2
Tin	ppm	ASTM D5185m	>10	**<1**	0	<1
Vanadium	ppm	ASTM D5185m		**0**	0	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	**8**	8	7
Potassium	ppm	ASTM D5185m	>20	**0**	0	0
Water		WC Method	>0.1	**NEG**	NEG	NEG
Particles >4µm		ASTM D7647	>5000	**7362**	2349	1738
Particles >6µm		ASTM D7647	>1300	**788**	530	398
Particles >14µm		ASTM D7647	>160	**27**	28	38
Particles >21µm		ASTM D7647	>40	**6**	6	9
Particles >38µm		ASTM D7647	>10	**0**	1	0
Particles >71µm		ASTM D7647	>3	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	**20/17/12**	18/16/12	18/16/12
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
Sodium	ppm	ASTM D5185m		**2**	1	2
Boron	ppm	ASTM D5185m	100	**4**	4	7
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m	0	**14**	15	28
Manganese	ppm	ASTM D5185m		**<1**	0	0
Magnesium	ppm	ASTM D5185m	0	**14**	14	13
Calcium	ppm	ASTM D5185m	4300	**2813**	2803	2822
Phosphorus	ppm	ASTM D5185m	1400	**1086**	1094	1069
Zinc	ppm	ASTM D5185m	1700	**1165**	1171	1194
Sulfur	ppm	ASTM D5185m	3800	**4446**	3786	4649
Acid Number (AN)	mg KOH/g	ASTM D8045	0.25	**1.93**	2.06	1.68
Visc @ 40°C	cSt	ASTM D445	59	**50.3**	50.9	48.6

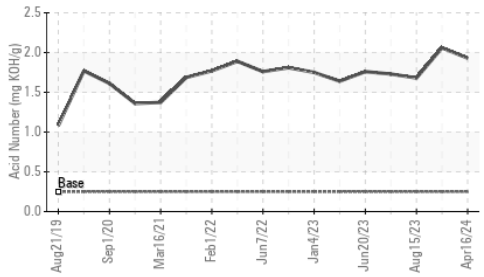
Particle Count



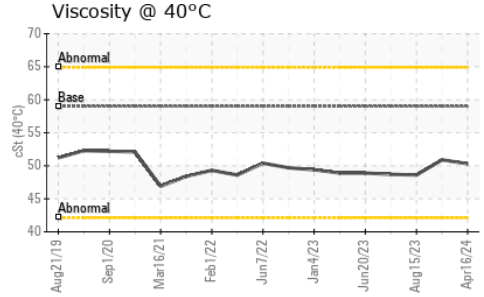
Particle Trend



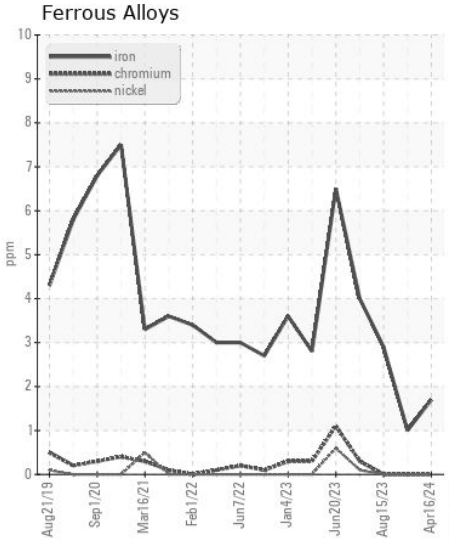
Acid Number



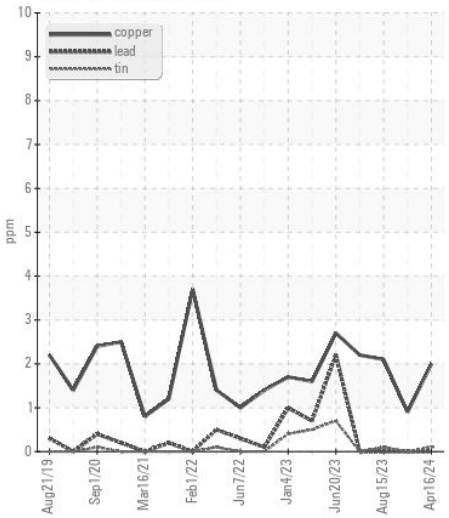
Viscosity @ 40°C



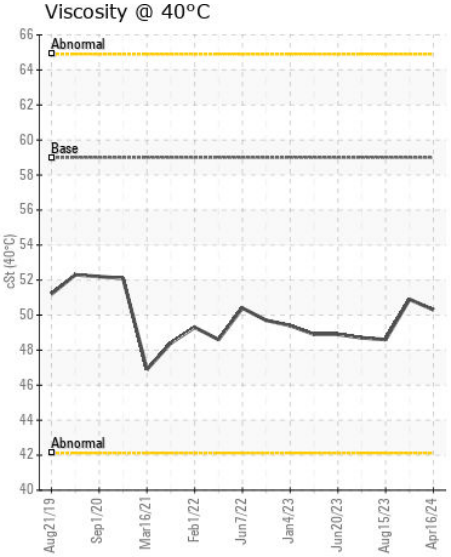
Ferrous Alloys



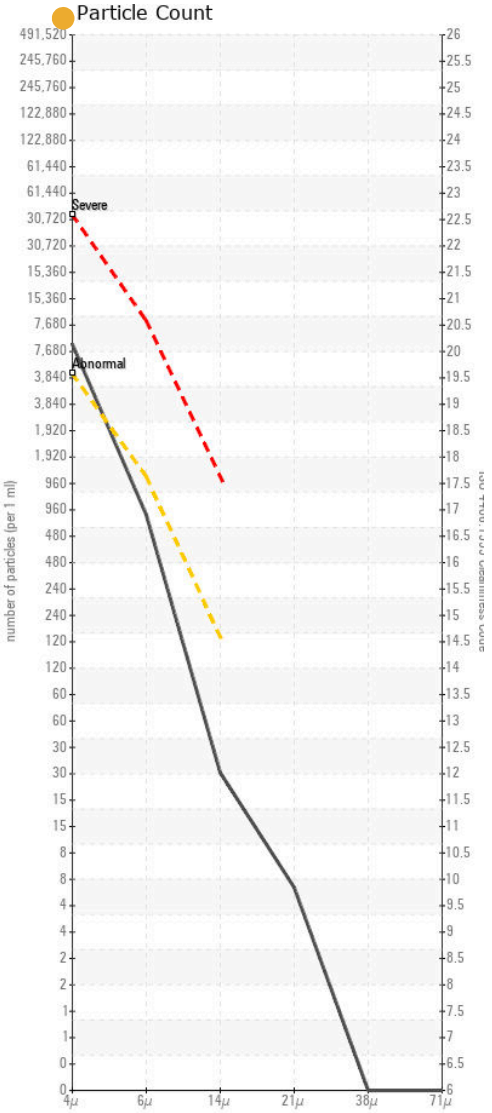
Non-ferrous Metals



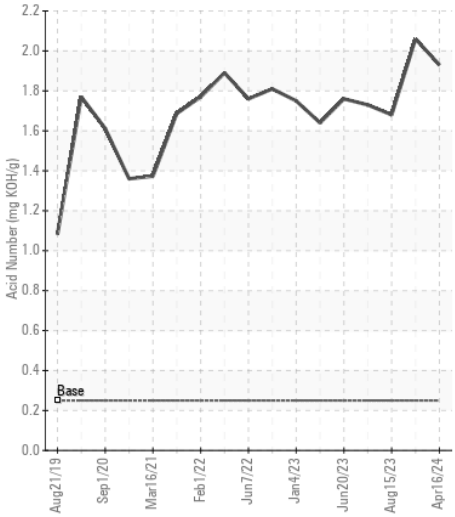
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0903844
Lab Number : 06153011
Unique Number : 10983089
Test Package : CONST

Received : 18 Apr 2024
Tested : 19 Apr 2024
Diagnosed : 22 Apr 2024 - Don Baldridge

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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