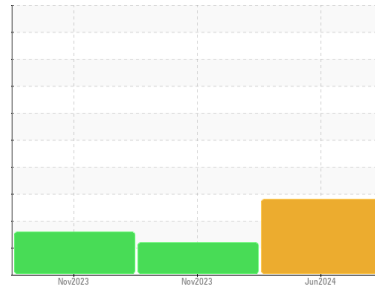




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
JNSGPB-1 (S/N 21-432)
 Component
Hydraulic Power Pack
 Fluid
LUBRIPLATE SFGO ULTRA 46 (165 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0888694	WC0782772	WC0782771
Sample Date	Client Info		16 Jun 2024	08 Nov 2023	07 Nov 2023
Machine Age	hrs	Client Info	8768	0	0
Oil Age	hrs	Client Info	8768	754	752
Oil Changed	Client Info		Not Chngd	Filtered	Not Chngd
Sample Status			ABNORMAL	ATTENTION	ABNORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.05	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2	2
Chromium	ppm	ASTM D5185m	>20	0	0
Nickel	ppm	ASTM D5185m	>20	0	0
Titanium	ppm	ASTM D5185m		0	0
Silver	ppm	ASTM D5185m		0	0
Aluminum	ppm	ASTM D5185m	>20	0	0
Lead	ppm	ASTM D5185m	>20	0	0
Copper	ppm	ASTM D5185m	>20	▲ 24	14
Tin	ppm	ASTM D5185m	>20	<1	0
Vanadium	ppm	ASTM D5185m		0	<1
Cadmium	ppm	ASTM D5185m		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0
Barium	ppm	ASTM D5185m		0	0
Molybdenum	ppm	ASTM D5185m		0	0
Manganese	ppm	ASTM D5185m		<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1
Calcium	ppm	ASTM D5185m		50	50
Phosphorus	ppm	ASTM D5185m		1161	1140
Zinc	ppm	ASTM D5185m		1321	1375
Sulfur	ppm	ASTM D5185m		3438	3121

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	1
Sodium	ppm	ASTM D5185m		2	<1
Potassium	ppm	ASTM D5185m	>20	3	<1

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>320	▲ 6003	● 408	▲ 3871
Particles >6µm	ASTM D7647	>80	▲ 1240	● 88	▲ 596
Particles >14µm	ASTM D7647	>10	▲ 66	● 6	● 20
Particles >21µm	ASTM D7647	>3	▲ 17	● 2	● 3
Particles >38µm	ASTM D7647	>3	1	● 0	● 0
Particles >71µm	ASTM D7647	>3	0	● 0	● 0
Oil Cleanliness	ISO 4406 (c)	>15/13/10	▲ 20/17/13	● 16/14/10	▲ 19/16/11

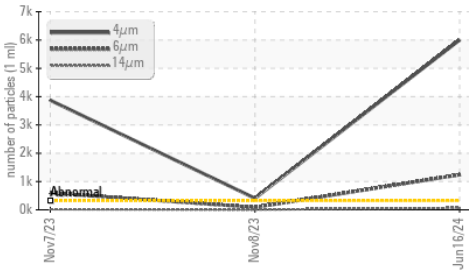
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.64	1.14

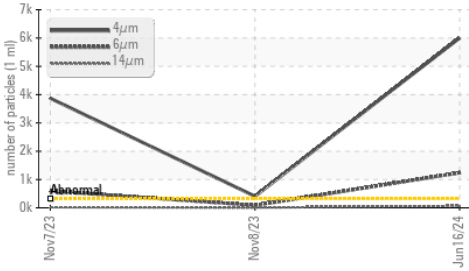


OIL ANALYSIS REPORT

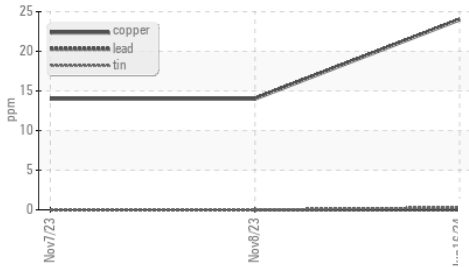
Particle Trend



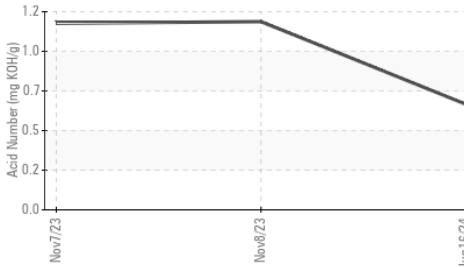
Particle Trend



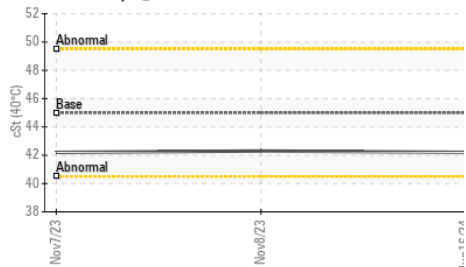
Non-ferrous Metals



Acid Number



Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	42.2	42.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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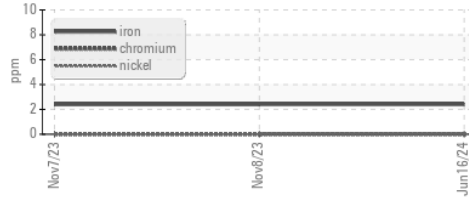
Color

Bottom

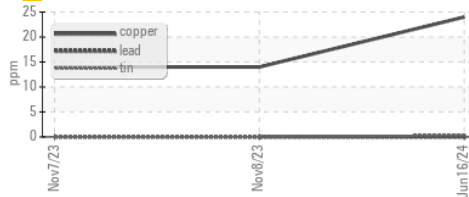


GRAPHS

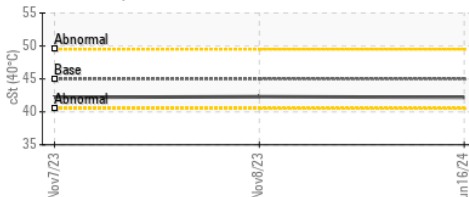
Ferrous Alloys



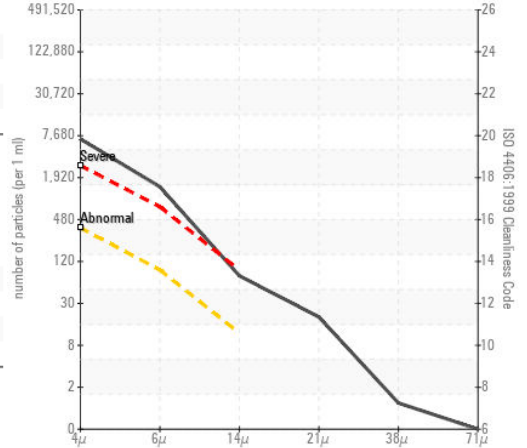
Non-ferrous Metals



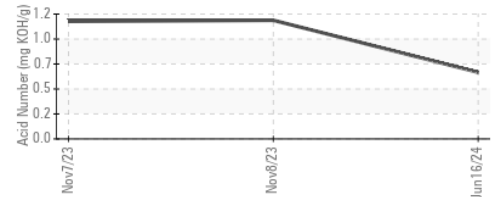
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0888694

Lab Number : 06216292

Unique Number : 11089156

Test Package : IND 2

Received : 20 Jun 2024

Tested : 21 Jun 2024

Diagnosed : 23 Jun 2024 - Don Baldrige

WEST SIDE SOLUTIONS

4506 HWY 90

CONWAY, SC

US 29526-9631

Contact: KEN ANDRE

westsidesolutionsus@gmail.com

T: (216)577-5014

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)