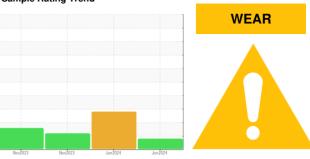


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# JNSGPB-1 (S/N 21-432)

Hydraulic Power Pack

**LUBRIPLATE SFGO ULTRA 46 (165 GAL)** 

### **DIAGNOSIS**

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

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

### Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

### **Fluid Condition**

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

		Nov202	3 Nov2023	Jun2024 Ju	in2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0888695	WC0888694	WC0782772
Sample Date		Client Info		17 Jun 2024	16 Jun 2024	08 Nov 2023
Machine Age	hrs	Client Info		8790	8768	0
Oil Age	hrs	Client Info		8790	8768	754
Oil Changed		Client Info		Not Changd	Not Changd	Filtered
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
CONTAMINATION	V	method	limit/base	current	history1	history2
Water	•	WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		1	2	2
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	0.0	0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<u> </u>	<u>^</u> 24	14
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES		mounoa		Current	Thistory I	111010192
Boron	ppm	ASTM D5185m		0	0	0
	ppm					
Boron	• •	ASTM D5185m		0	0	0
Boron Barium	ppm	ASTM D5185m ASTM D5185m		0 0	0	0
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0	0 0 0	0 0 0
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 <1	0 0 0 <1	0 0 0 <1
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 <1 4	0 0 0 <1 <1	0 0 0 <1 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 <1 4 55	0 0 0 <1 <1 50	0 0 0 <1 <1 50
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 <1 4 55 1109	0 0 0 <1 <1 50 1161	0 0 0 <1 <1 50 1140
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 0 <1 4 55 1109 1269	0 0 0 <1 <1 50 1161 1321	0 0 0 <1 <1 <1 50 1140
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 0 <1 4 55 1109 1269 3291	0 0 0 <1 <1 50 1161 1321 3438	0 0 0 <1 <1 50 1140 1375 3121
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	0 0 0 <1 4 55 1109 1269 3291 current	0 0 0 <1 <1 50 1161 1321 3438 history1	0 0 0 <1 <1 50 1140 1375 3121 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >15	0 0 0 <1 4 55 1109 1269 3291 current	0 0 0 <1 <1 50 1161 1321 3438 history1	0 0 0 <1 <1 <1 50 1140 1375 3121 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >15 >20	0 0 0 <1 4 55 1109 1269 3291 current <1	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2	0 0 0 <1 <1 <1 50 1140 1375 3121 history2 1 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >15 >20 limit/base	0 0 0 <1 4 55 1109 1269 3291 current <1 2 3	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2 3	0 0 0 <1 <1 50 1140 1375 3121 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method ASTM D5185m	limit/base >15 >20 limit/base >320	0 0 0 <1 4 55 1109 1269 3291 current <1 2 3	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2 3 history1 ▲ 6003	0 0 0 <1 <1 <1 50 1140 1375 3121 history2 1 <1 <1 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method ASTM D5185m	limit/base >15 >20 limit/base >320 >80	0 0 0 <1 4 55 1109 1269 3291 current <1 2 3 current 240	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2 3 history1 △ 6003 △ 1240	0 0 0 <1 <1 <1 50 1140 1375 3121 history2 1 <1 <1 <1 408
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method ASTM D5185m ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >320 >80 >10	0 0 0 <1 4 55 1109 1269 3291 current <1 2 3 current 240 77	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2 3 history1 △ 6003 △ 1240 △ 66	0 0 0 <1 <1 <1 50 1140 1375 3121 history2 1 <1 <1 <1 408 88 6
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >320 >80 >10 >3	0 0 0 <1 4 55 1109 1269 3291 current <1 2 3 current 240 77 10 2	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2 3 history1 ▲ 6003 ▲ 1240 ▲ 66 ▲ 17	0 0 0 <1 <1 <1 50 1140 1375 3121 history2  1 <1 <1 history2  408 88 6 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >320 >80 >10 >3 >3	0 0 0 1 4 55 1109 1269 3291 current <1 2 3 current 240 77 10 2 0	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2 3 history1 ▲ 6003 ▲ 1240 ▲ 66 ▲ 17 1	0 0 0 <1 <1 <1 50 1140 1375 3121 history2 1 <1 <1 <1 408 88 6 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >320 >80 >10 >3 >3 >3 >3 >3	0 0 0	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2 3 history1 ▲ 6003 ▲ 1240 ▲ 66 ▲ 17 1 0	0 0 0 1 1 50 1140 1375 3121 history2 1 <1 408 88 6 2 0 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >15 >20 limit/base >320 >80 >10 >3 >3	0 0 0 1 4 55 1109 1269 3291 current <1 2 3 current 240 77 10 2 0	0 0 0 <1 <1 50 1161 1321 3438 history1 1 2 3 history1 ▲ 6003 ▲ 1240 ▲ 66 ▲ 17 1	0 0 0 <1 <1 <1 50 1140 1375 3121 history2 1 <1 <1 <1 408 88 6 2

Acid Number (AN)

mg KOH/g ASTM D8045

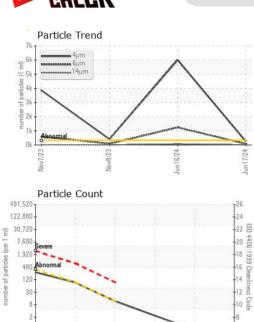
0.63

1.14

Submitted By: KEN ANDRE



## **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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
<b>Emulsified Water</b>	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FILLID DDODEDTIES						
FLUID PROPERTIES		method	limit/base	current	history1	history2

Visc @ 40°C cSt ASTM D445 45 42.3 42.2 42.3 method

SAMPLE IMAGES

limit/base

current

history1

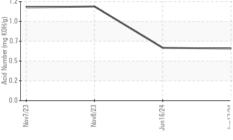
history2

Color

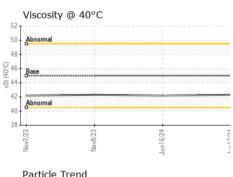
**Bottom** 

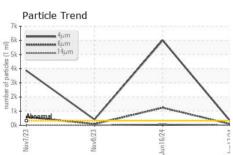


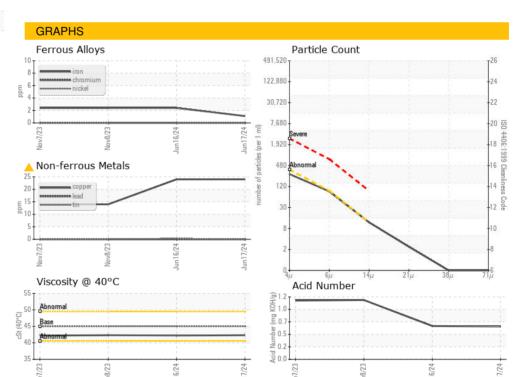




Acid Number











Certificate 12367

Laboratory

Sample No.

: WC0888695 Lab Number : 06216291 Unique Number : 11089155 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Jun 2024 **Tested** : 21 Jun 2024

Diagnosed : 23 Jun 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)

**WEST SIDE SOLUTIONS** 

4506 HWY 90 CONWAY, SC US 29526-9631

Contact: KEN ANDRE westsidesolutionsus@gmail.com

T: (216)577-5014