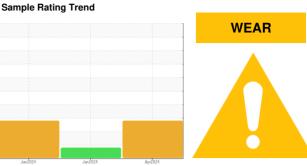


# **OIL ANALYSIS REPORT**



# **{UNASSIGNED}** WRRCHB-1 (S/N 17-103)

Hydraulic System

**AW HYDRAULIC OIL ISO 46 (375 GAL)** 

### **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: Believe fluid from 2017.)

### 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.

Jan2024 Jan2024 Apr2024						
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0782795	WC0782788	WC0782787
Sample Date		Client Info		22 Apr 2024	29 Jan 2024	28 Jan 2024
Machine Age	hrs	Client Info		42602	40598	40545
Oil Age	hrs	Client Info		42602	40598	40545
Oil Changed		Client Info		Not Changd	Filtered	Not Changd
Sample Status				ABNORMAL	ABNORMAL	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	3	3	4
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		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> 53	<b>▲</b> 53	<u></u> ▲ 54
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	25	0	0	2
	ppm	ASTM D5185m	200	4	6	10
Phosphorus	ppm	ASTM D5185m	300	232	231	246
Zinc	ppm	ASTM D5185m	370	197	165	201
Sulfur	ppm	ASTM D5185m	2500	1047	904	939
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Deuthalas Asses		ASTM D7647	>1300	<b>14135</b>	716	<u></u> 10346
Particles >4µm			. 220	A 1000	87	<u> </u>
Particles >4µm Particles >6µm		ASTM D7647	>320	<u> </u>	07	1497
		ASTM D7647 ASTM D7647	>40	▲ 70	5	▲ 60
Particles >6µm						
Particles >6μm Particles >14μm		ASTM D7647	>40	<u>^</u> 70	5	<b>△</b> 60
Particles >6µm Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647	>40 >10	▲ 70 ▲ 14	5 2	▲ 60 ▲ 12
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647	>40 >10 >3	▲ 70 ▲ 14 0	5 2 0	▲ 60 ▲ 12 0

Acid Number (AN)

mg KOH/g ASTM D8045 0.57

0.40

0.48

Submitted By: KEN ANDRE



## OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06159030

: WC0782795 Unique Number : 10994453

Test Package : IND 2

**Tested** : 25 Apr 2024 Diagnosed : 26 Apr 2024 - Jonathan Hester

: 24 Apr 2024

Received

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - 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)

4506 HWY 90

CONWAY, SC US 29526-9631

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Submitted By: KEN ANDRE