

## **OIL ANALYSIS REPORT**

### International Area [186795-N2STV4W] Machine Id SHEAR 997386 Component

Hydraulic System Fluid AW HYDRAULIC OIL ISO 68 (30 GAL)

#### DIAGNOSIS

#### A Recommendation

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

#### 📥 Wear

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

#### Contamination

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

#### Fluid Condition

Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR

Sample Rating Trend

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PH05930848		
Sample Date		Client Info		09 Feb 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	<mark>/</mark> 39		
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	25	2		
Calcium	ppm	ASTM D5185m	200	93		
Phosphorus	ppm	ASTM D5185m	300	321		
Zinc	ppm	ASTM D5185m	370	381		
Sulfur	ppm	ASTM D5185m	2500	6480		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	499		
Particles >6µm		ASTM D7647	>2500	119		
Particles >14µm		ASTM D7647	>320	14		
Particles >21µm		ASTM D7647	>80	3		
Particles >38µm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	16/14/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.27		

Report Id: GULSAV [WUSCAR] 05930848 (Generated: 03/20/2024 14:54:45) Rev: 1

Contact/Location: WILLIAM COIN - GULSAV

491.520 122 880

Ê 30,720

number of particles (per 1

7,68

1.92 48

120

30

8

12

Ê<sup>10</sup>

of particles (1 8

6k Δ

2 Ok

491 520

122,880

7.68

1.92 48

120

30

1.00

(B/HO)

₽0.60

đ 0.40

Pio 0.20 0.00

12 Ê<sup>10)</sup>

particles (1 8k

\*

6

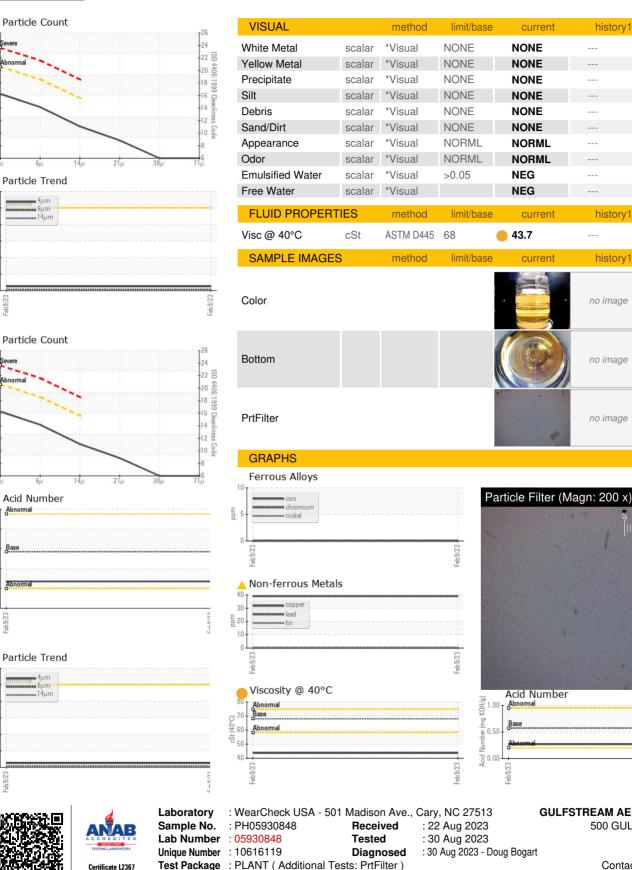
4k

21

0

of particles (per 1

# **OIL ANALYSIS REPORT**



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.



history1

history

history1

no image

no image

no image

history2

historv2

history2

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Report Id: GULSAV [WUSCAR] 05930848 (Generated: 03/20/2024 14:54:46) Rev: 1

Contact/Location: WILLIAM COIN - GULSAV