

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

BENDER 4

Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 32 (360 LTR)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

🔺 Wear

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

Contamination

There is a high 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 suitable for further service.

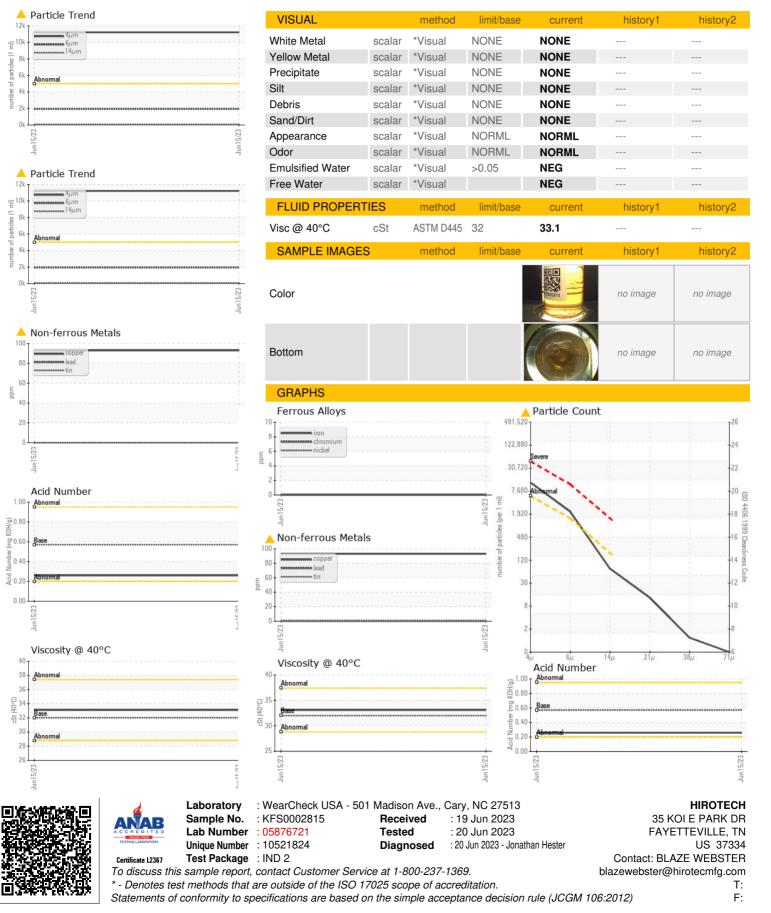
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0002815		
Sample Date		Client Info		15 Jun 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATIO	NI	method	limit/base	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		0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium		ASTM D5185m	>20	0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	. 20	0		
	ppm	ASTM D5185m	>20	-		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm		>20			
Tin	ppm	ASTM D5185m	>20	0		
Vanadium	ppm	ASTM D5185m		0		
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		0		
Magnesium	ppm	ASTM D5185m	25	<1		
Calcium	ppm	ASTM D5185m	200	49		
Phosphorus	ppm	ASTM D5185m	300	332		
Zinc	ppm	ASTM D5185m	370	429		
Sulfur	ppm	ASTM D5185m	2500	1739		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	11218		
Particles >6µm		ASTM D7647	>1300	<mark> </mark> 1948		
Particles >14µm		ASTM D7647	>160	63		
Particles >21µm		ASTM D7647	>40	11		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 21/18/13		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.26		
			5.5.			

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Contact/Location: BLAZE WEBSTER - HIRFAY



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