

OIL ANALYSIS REPORT



BENDER 3

Component

Hydraulic System

AW HYDRAULIC OIL ISO 32 (360 LTR)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

	ISO

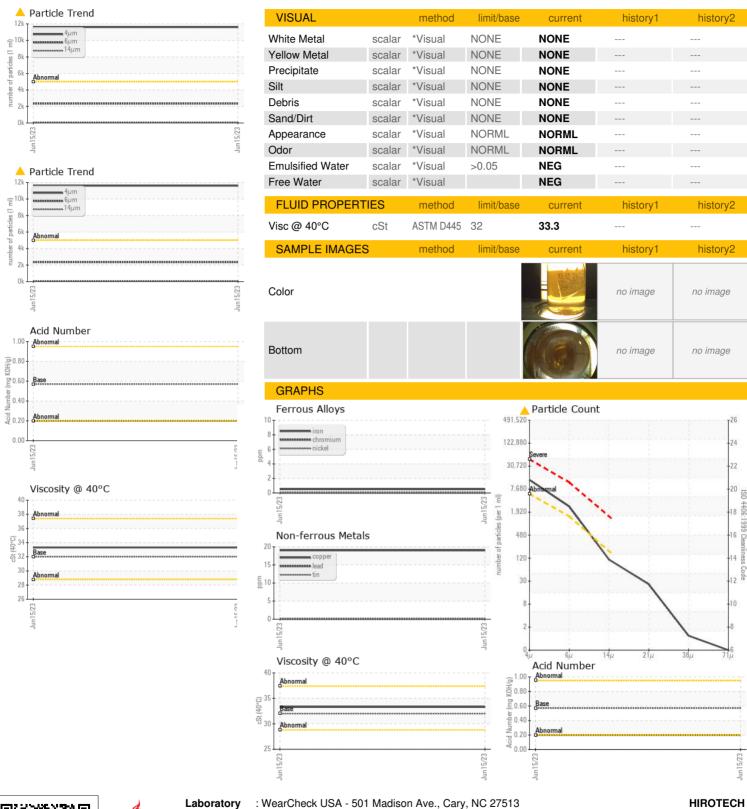
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KFS0002814		
Sample Date		Client Info		15 Jun 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		N/A		
Sample Status		Oliciti IIIIo		ABNORMAL		
		method	limit/base		history1	history2
	V		>0.05	current	HISTORY	
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>20	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>20	19		
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	46		
Phosphorus	ppm	ASTM D5185m	300	310		
Zinc	ppm	ASTM D5185m	370	404		
Sulfur	ppm	ASTM D5185m	2500	2048		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0		
Sodium	ppm			0		
Potassium	ppm	ASTM D5185m		1		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>		
Particles >6µm		ASTM D7647	>1300	2348		
Particles >14µm		ASTM D7647	>160	97		
Particles >21µm		ASTM D7647	>40	22		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 21/18/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 0.57



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Certificate L2367

Report Id: HIRFAY [WUSCAR] 05876720 (Generated: 03/16/2024 13:44:06) Rev: 1

Laboratory Sample No.

Test Package : IND 2

: KFS0002814 Lab Number : 05876720 Unique Number : 10521823

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

Received

Tested

: 19 Jun 2023

: 20 Jun 2023

: 20 Jun 2023 - Wes Davis

* - 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)

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