

**OIL ANALYSIS REPORT** 

Sample Rating Trend

ISO



TK24167

Component

**Hydraulic System** 

AW HYDRAULIC OIL ISO 32 (--- GAL)

## **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with 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.

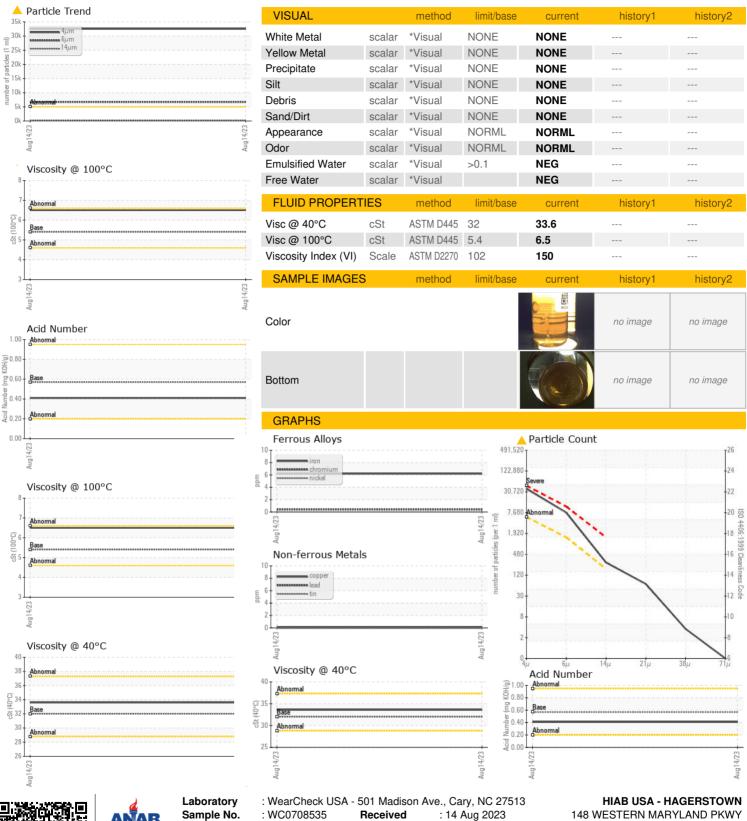
				Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0708535		
Sample Date		Client Info		14 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed	1110	Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium		ASTM D5185m	>10	0		
Silver	ppm					
	ppm	ASTM D5185m	- 10	<1		
Aluminum	ppm	ASTM D5185m	>10	<1		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	4		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	25	6		
Calcium	ppm	ASTM D5185m	200	73		
Phosphorus	ppm	ASTM D5185m	300	348		
Zinc	ppm	ASTM D5185m	370	404		
Sulfur	ppm	ASTM D5185m	2500	1993		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	<b>▲</b> 32538		
Particles >6µm		ASTM D7647	>1300	<u>^</u> 6721		
Particles >14µm		ASTM D7647	>160	<b>4</b> 245		
Particles >21µm		ASTM D7647	>40	<u>^</u> 59		
Particles >38µm		ASTM D7647	>10	3		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/20/15</u>		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	ma V∩U/a			0.41		

Acid Number (AN) mg KOH/g ASTM D8045 0.57

0.41



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Certificate L2367

Sample No. Lab Number **Unique Number** 

: WC0708535 : 05924214 : 10604161 Test Package

Received Diagnosed

Diagnostician : Wes Davis

: 15 Aug 2023

: MOB 2 ( Additional Tests: KV100, VI ) 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)

148 WESTERN MARYLAND PKWY HAGERSTOWN, MD

> US 21740 Contact: CHUCK WISHARD

CHUCK.WISHARD@HIAB.COM T: (240)625-0045

F: (301)797-7284 Contact/Location: CHUCK WISHARD - CARHAG