

# **OIL ANALYSIS REPORT**

Sample Rating Trend

**NORMAL** 



403907 Component

**Hydraulic System** 

AW HYDRAULIC OIL ISO 32 (--- GAL)

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## Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 32. Please confirm. Please specify the component make and model with your next sample.

## Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

## **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

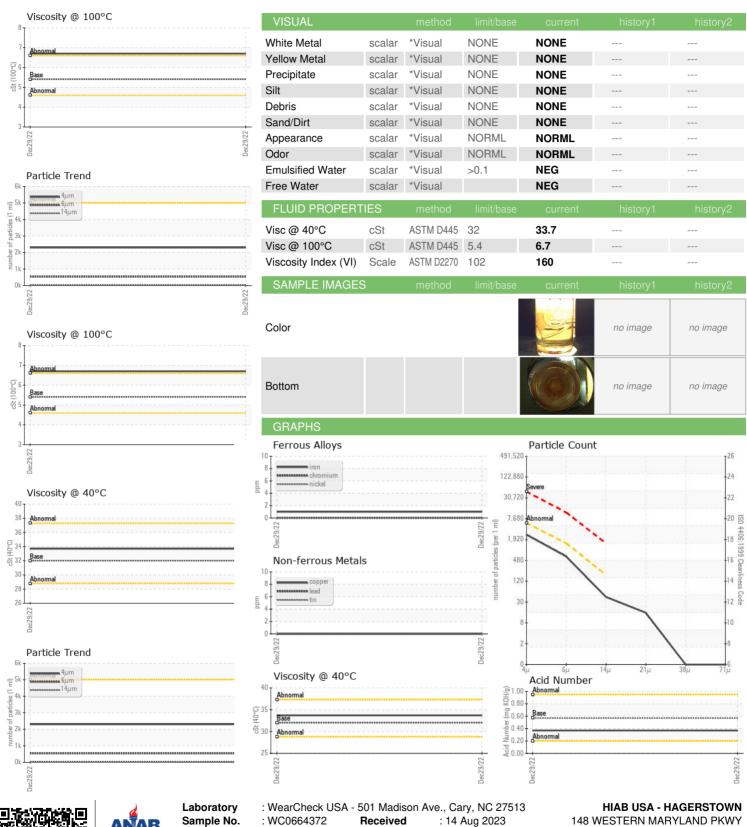
			Dec2022			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0664372		
Sample Date		Client Info		29 Dec 2022		
Machine Age	yrs	Client Info		0		
Oil Age	yrs	Client Info		0		
Oil Changed	,	Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	0		
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	0		
Barium	ppm	ASTM D5185m	5	0		
Molybdenum	ppm	ASTM D5185m	5	0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	25	0		
Calcium	ppm	ASTM D5185m	200	50		
Phosphorus	ppm	ASTM D5185m	300	364		
Zinc	ppm	ASTM D5185m	370	451		
Sulfur	ppm	ASTM D5185m	2500	1131		
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	0		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	2298		
Particles >6µm		ASTM D7647	>1300	540		
Particles >14μm		ASTM D7647	>160	37		
Particles >21µm		ASTM D7647	>40	13		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/12		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

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

0.37



## **OIL ANALYSIS REPORT**







Certificate L2367

Sample No. Lab Number **Unique Number** 

: WC0664372 : 05924247 : 10604194

Received

Diagnosed : 15 Aug 2023

Diagnostician : Wes Davis

Test Package : 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.

148 WESTERN MARYLAND PKWY HAGERSTOWN, MD

US 21740 Contact: CHUCK WISHARD CHUCK.WISHARD@HIAB.COM

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)