

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id **TK1000962**

Component Hydraulic System Fluid AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

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

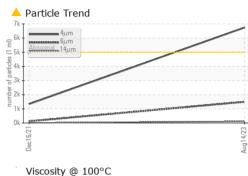
Fluid Condition

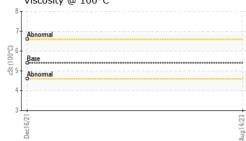
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

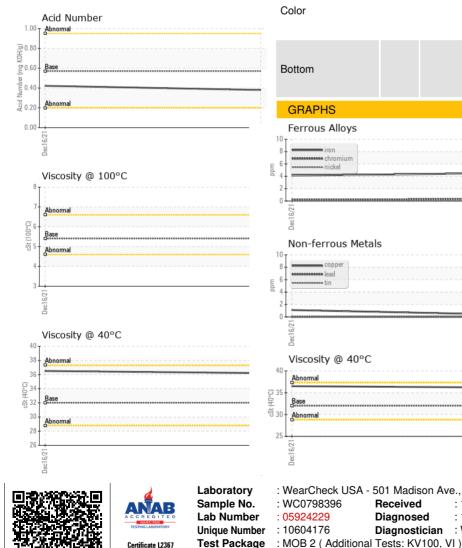
			Dec2021	Aug2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0798396	WC0636218	
Sample Date		Client Info		14 Aug 2023	16 Dec 2021	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	4	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	<1	1	
Tin	ppm	ASTM D5185m	>10	<1	0	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	<1	5	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	5	0	<1	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	25	11	9	
Calcium	ppm	ASTM D5185m	200	131	135	
Phosphorus	ppm	ASTM D5185m	300	366	335	
Zinc	ppm	ASTM D5185m	370	404	384	
Sulfur	ppm	ASTM D5185m	2500	2247	1731	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	0000	ASTM D5185m	>20	1	1	
Sodium	ppm	ASTM D5185m	>20	، <1	1	
Potassium	ppm	ASTM D5185m	. 20	<1	0	
	ppm	ASTIN DOTION	-	<1	-	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u> </u>	1339	
Particles >6µm		ASTM D7647		<u> </u>	117	
Particles >14µm		ASTM D7647	>160	113	8	
Particles >21µm		ASTM D7647		21	3	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 20/18/14	18/14/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.38	0.422	
· · /	5 0					

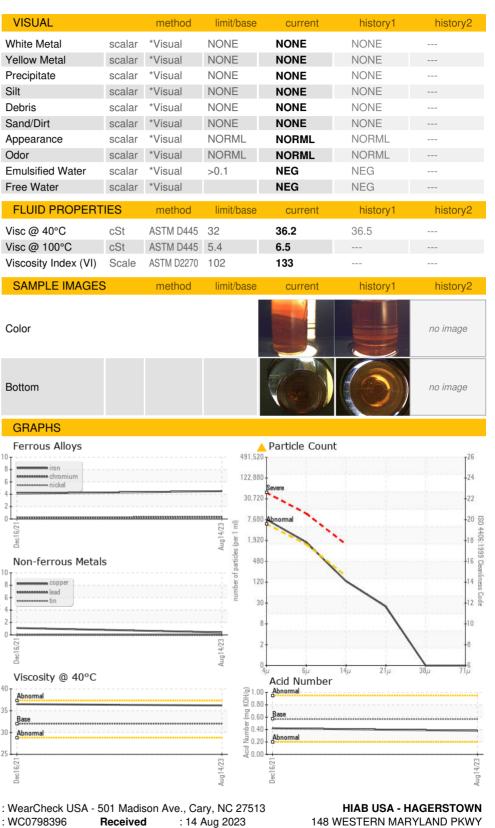


OIL ANALYSIS REPORT









148 WESTERN MARYLAND PKWY HAGERSTOWN, MD US 21740 Contact: CHUCK WISHARD CHUCK.WISHARD@HIAB.COM T: (240)625-0045 F: (301)797-7284

* - 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)

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

Diagnosed

Diagnostician : Wes Davis

: 15 Aug 2023