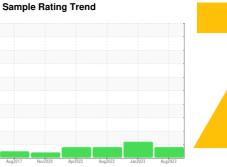


# **OIL ANALYSIS REPORT**



ISO



# TK22309

Component

**Hydraulic System** 

AW HYDRAULIC OIL ISO 32 (--- GAL)

### **DIAGNOSIS**

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the oil.

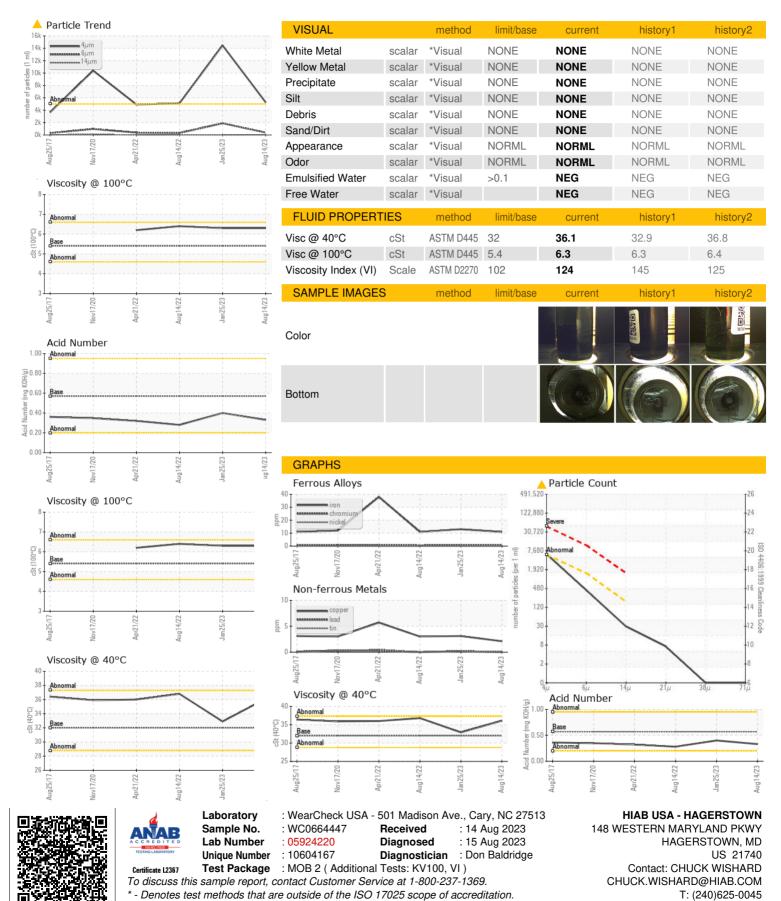
### **Fluid Condition**

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

		Aug2017	Nov2020 Apr2022	Aug2022 Jan2023	Aug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0664447	WC0708430	WC0679385
Sample Date		Client Info		14 Aug 2023	25 Jan 2023	14 Aug 2022
Machine Age	days	Client Info		0	0	0
Oil Age	days	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	11	13	11
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m		2	3	3
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	2	2	5
Barium	ppm	ASTM D5185m	5	0	1	0
Molybdenum	ppm	ASTM D5185m	5	<1	2	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	25	39	39	38
Calcium	ppm	ASTM D5185m	200	187	192	184
Phosphorus	ppm	ASTM D5185m	300	343	337	343
Zinc	ppm	ASTM D5185m	370	394	400	399
Sulfur	ppm	ASTM D5185m	2500	4616	4061	4093
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2	2	1
Sodium	ppm	ASTM D5185m		1	0	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<u>▲</u> 5267	<u>▲</u> 14458	<u></u> 5107
Particles >6µm		ASTM D7647	>1300	375	<u>▲</u> 1889	323
Particles >14µm		ASTM D7647	>160	26	18	29
		ACTM D7647	>40	6	4	9
Particles >21µm		ASTM D7647				
Particles >21μm Particles >38μm		ASTM D7647	>10	0	1	0
Particles >21µm Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647	>10 >3	0	1	0
Particles >21µm Particles >38µm		ASTM D7647	>10	0	1	0
Particles >21μm Particles >38μm Particles >71μm	ATION	ASTM D7647 ASTM D7647	>10 >3	0	1	0



## **OIL ANALYSIS REPORT**



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

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