

OIL ANALYSIS REPORT



ISO



TK-BT424

Component

Hydraulic System

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.

Wear

All component wear rates are normal.

Contamination

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

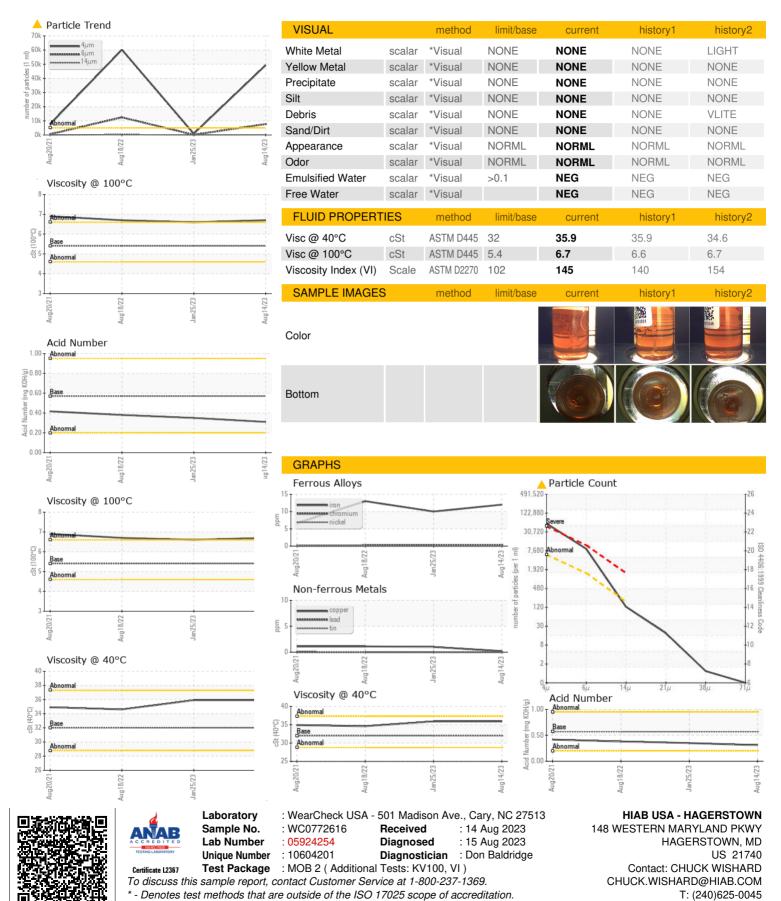
Fluid Condition

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

		Aug ² 02	1 Aug2022	Jan2023 A	ug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0772616	WC0741551	WC0679346
Sample Date		Client Info		14 Aug 2023	25 Jan 2023	18 Aug 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	12	10	13
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	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	<1	1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
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	0	0	0
Barium	ppm	ASTM D5185m	5	0	1	1
Molybdenum	ppm	ASTM D5185m	5	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	25	<1	1	1
Calcium	ppm	ASTM D5185m	200	49	49	50
Phosphorus	ppm	ASTM D5185m	300	354	345	348
Zinc	ppm	ASTM D5185m	370	441	443	454
Sulfur	ppm	ASTM D5185m	2500	5841	5045	4972
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	1	1	1
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	1	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	49295	922	▲ 60241
Particles >6µm		ASTM D7647	>1300	^ 7676	112	<u>▲</u> 12440
Particles >14µm		ASTM D7647	>160	110	16	<u>^</u> 268
Particles >21µm		ASTM D7647	>40	16	5	<u>^</u> 52
Particles >38µm		ASTM D7647	>10	1	1	4
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	23/20/14	17/14/11	△ 23/21/15
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2



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

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