

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id 3520066

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

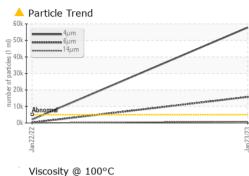
Fluid Condition

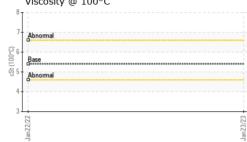
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

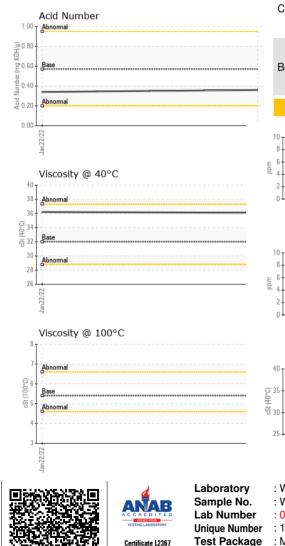
			Jan2022	Jan 2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0622267	WC0636293	
Sample Date		Client Info		23 Jan 2023	22 Jan 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
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	0	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>75	0	1	
Tin	ppm	ASTM D5185m	>10	0	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	0	<1	
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	1	0	
Calcium	ppm	ASTM D5185m	200	52	57	
Phosphorus	ppm	ASTM D5185m	300	355	367	
Zinc	ppm			449	411	
Sulfur	ppm	ASTM D5185m	2500	5938	4598	
CONTAMINANTS	1- 1-	method	limit/base			history
				current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	<1	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	0	<1	
FLUID CLEANLINI	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	6 57845	2100	
Particles >6µm		ASTM D7647	>1300	🔺 15764	278	
Particles >14µm		ASTM D7647	>160	<u> </u>	32	
Particles >21µm		ASTM D7647	>40	<u> </u>	10	
Particles >38µm		ASTM D7647	>10	1	2	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	A 23/21/17	18/15/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.36	0.34	
		. 10 111 20040	5.07	0.00	0.0 T	

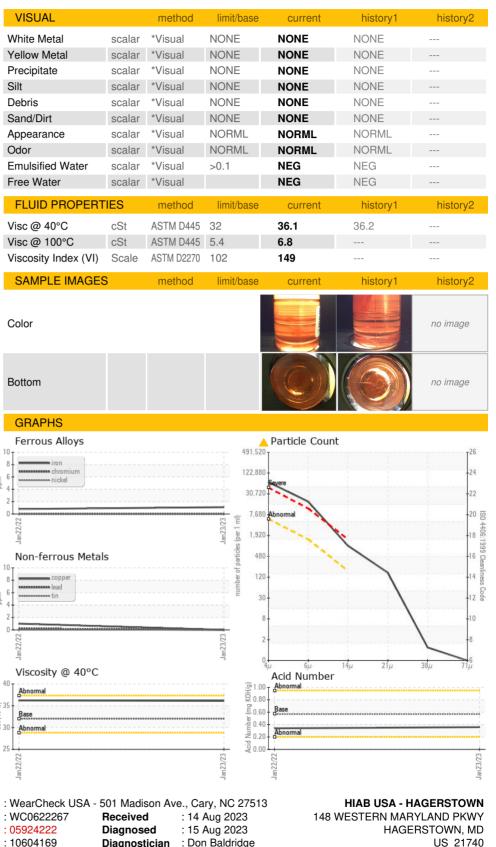


OIL ANALYSIS REPORT









 Certificate L2367
 Test Package
 : MOB 2 (Additional Tests: KV100, VI)

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

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 CH

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

T: (240)625-0045

F: (301)797-7284

Contact: CHUCK WISHARD

CHUCK.WISHARD@HIAB.COM