

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id H1 (S/N 10875337) Component

Hydraulic System

FINE-RESISTANT FLUID ISO 46 (225 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

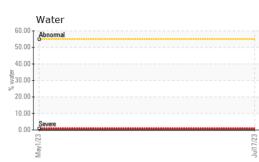
Fluid Condition

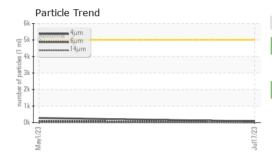
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

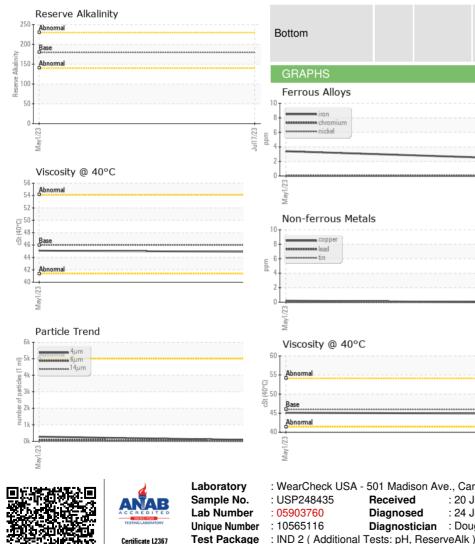
			May2023	Jui2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP248435	USP248433	
Sample Date		Client Info		17 Jul 2023	01 May 2023	
Machine Age	mths	Client Info		12	10	
Oil Age	mths	Client Info		12	10	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	nom	ASTM D5185m	>20	2	3	
Chromium	ppm ppm	ASTM D5185m		0	0	
Nickel		ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m	>10	0	0	
Silver	ppm	ASTM D5185m		0	0	
	ppm		10	-		
Aluminum	ppm	ASTM D5185m		0	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m		0	<1	
Tin	ppm	ASTM D5185m	>10	0	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	0	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	5	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	5	0	<1	
Calcium	ppm	ASTM D5185m	50	2	<1	
Phosphorus	ppm	ASTM D5185m	175	48	68	
Zinc	ppm	ASTM D5185m	62	0	8	
Sulfur	ppm	ASTM D5185m	500	124	124	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	5	
Sodium	ppm	ASTM D5185m		<1	0	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water	%	ASTM D6304	>55	0.002	0.003	
ppm Water	ppm	ASTM D6304	>55000	22.1	29.3	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	80	279	
Particles >6µm		ASTM D7647	>1300	19	94	
Particles >14µm		ASTM D7647	>160	3	10	
Particles >21µm		ASTM D7647	>40	1	2	
Particles >38µm		ASTM D7647	>10	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	13/11/9	15/14/10	
FLUID DEGRADA		method	limit/base	ourropt	history1	history2
FLUID DEGRADA		methou			TIISTOLA I	
Acid Number (AN)	mg KOH/g	ASTM D8045	3.63	0.34	1.90	

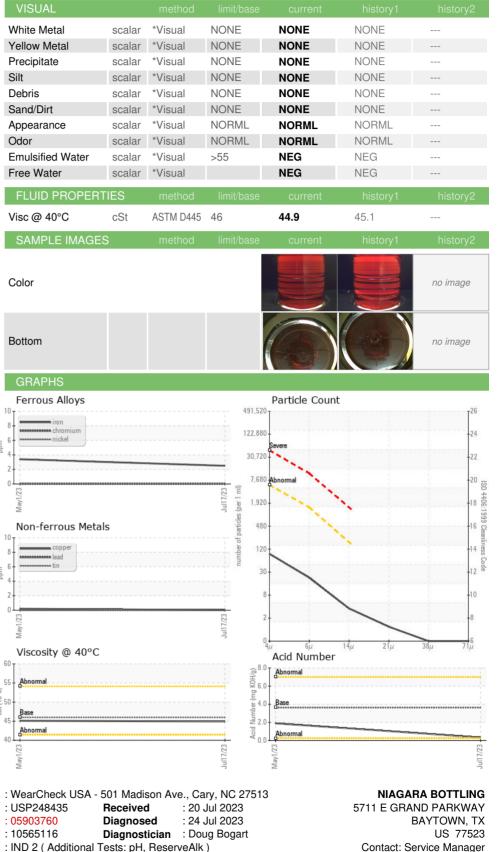


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To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

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