

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



DIAGNOSIS

A Recommendation

We recommend you service the filters on this component if applicable. 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.

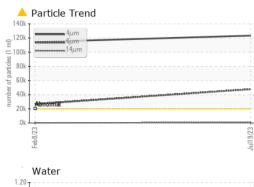
Fluid Condition

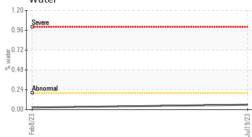
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

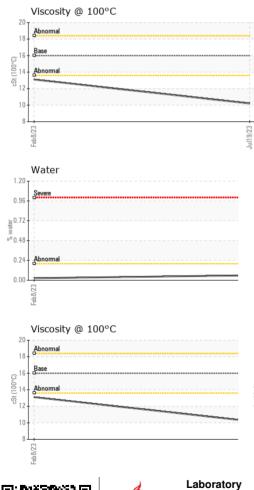
		l.	Feb2023	Jul2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843149	WC0771192	
Sample Date		Client Info		19 Jul 2023	08 Feb 2023	
Machine Age	mls	Client Info		73932	0	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	92	14	
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	>25	0	<1	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>100	<1	<1	
Tin		ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	210	0	0	
	ppm			-		
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	242	288	
Barium	ppm	ASTM D5185m	200	0	6	
Molybdenum	ppm	ASTM D5185m	12	0	0	
Manganese	ppm	ASTM D5185m		4	4	
Magnesium	ppm	ASTM D5185m	12	0	1	
Calcium	ppm	ASTM D5185m	150	<1	6	
Phosphorus	ppm	ASTM D5185m	1650	1622	1380	
Zinc	ppm	ASTM D5185m	125	3	9	
Sulfur	ppm	ASTM D5185m	22500	27925	28300	
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	8	8	
Sodium	ppm	ASTM D5185m		4	4	
Potassium	ppm	ASTM D5185m	>20	<1	<1	
Water	%	ASTM D6304		0.059	0.025	
ppm Water	ppm	ASTM D6304		597.9	252.8	
FLUID CLEANLIN	VESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	123430	114452	
Particles >6µm		ASTM D7647	>5000	<u> </u>	▲ 26799	
Particles >14µm		ASTM D7647	>640	▲ 704	123	
Particles >21µm		ASTM D7647		103	14	
Particles >38µm		ASTM D7647	>40	3	0	
Particles >71µm		ASTM D7647 ASTM D7647		1	0	
Oil Cleanliness		ISO 4406 (c)	>21/19/16		▲ 24/22/14	
				A 24/23/17		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	2.00	2.42	2.52	



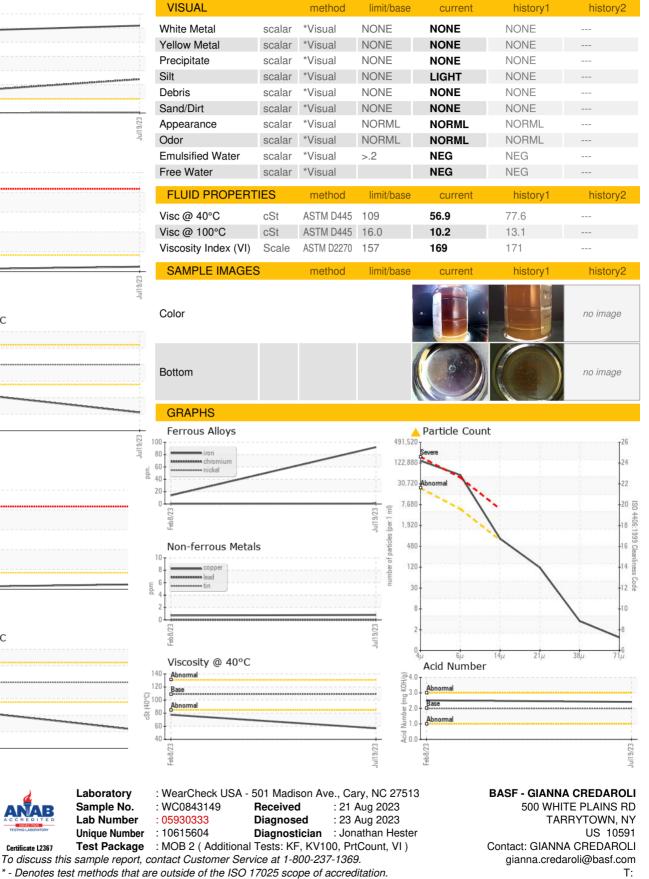
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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