

# **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.

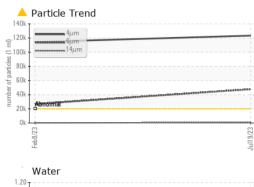
#### **Fluid Condition**

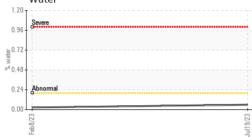
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

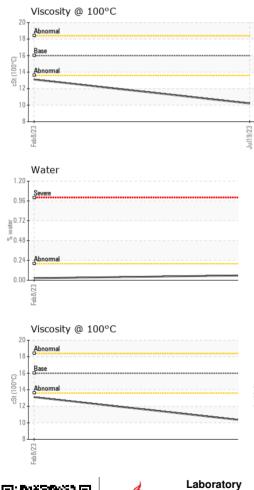
		l.	Feb2023	Jul2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0843149	WC0771192	
Sample Date		Client Info		19 Jul 2023	08 Feb 2023	
Machine Age	mls	Client Info		73932	0	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				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	<b>123430</b>	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	



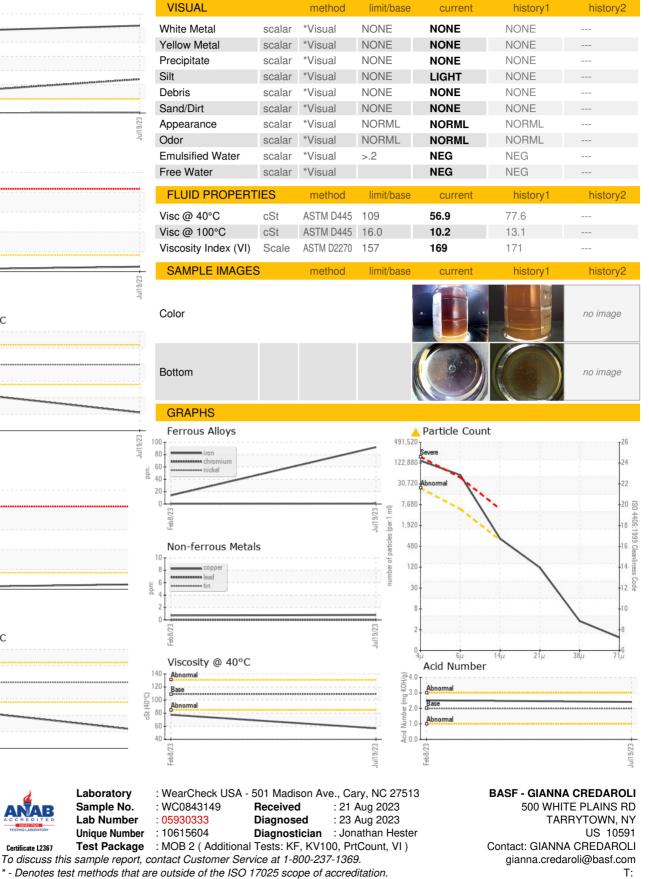
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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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