

OIL ANALYSIS REPORT

Sample Rating Trend





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 oil. The amount and size of particulates present in the system are acceptable.

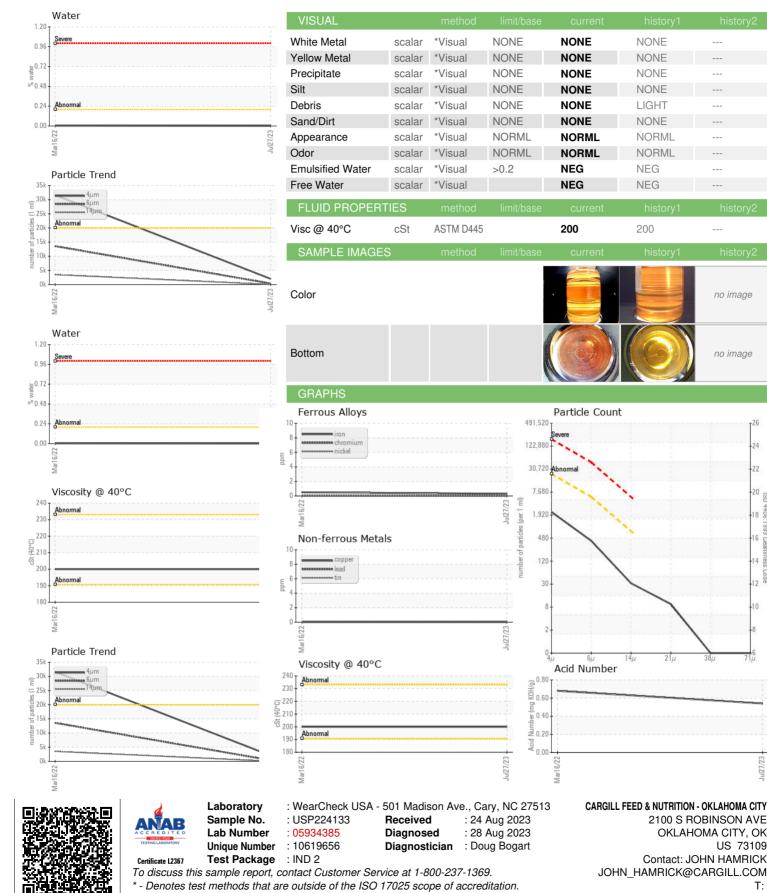
Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USP224133	USP224132	
Sample Date		Client Info		27 Jul 2023	16 Mar 2022	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<1	<1	
Chromium	ppm	ASTM D5185m	>15	0	0	
Nickel	ppm	ASTM D5185m	>15	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>25	0	<1	
Lead	ppm	ASTM D5185m	>100	0	0	
		ASTM D5185m	>200	0	0	
Copper Tin	ppm	ASTM D5185m	>200	0	0	
	ppm		>20			
Vanadium Cadmium	ppm ppm	ASTM D5185m ASTM D5185m		0	0	
ADDITIVES	ppm	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	mmbasc	0	2	
	ppm					
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		2	9	
Phosphorus	ppm	ASTM D5185m		431	112	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		476	169	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	3	3	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	<1	0	
Water	%	ASTM D6304	>0.2	0.001	0.003	
ppm Water	ppm	ASTM D6304	>2000	0.00	30.3	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	2030	A 31600	
Particles >6µm		ASTM D7647	>5000	358	1 3562	
Particles >14µm		ASTM D7647	>640	28	▲ 3496	
Particles >21µm		ASTM D7647	>160	8	1 101	
Particles >38µm		ASTM D7647	>40	0	1 18	
Particles >71µm		ASTM D7647	>10	0	7	
Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/16/12	A 22/21/19	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.54	0.68	



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

214

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

NEG

NEG

200

no image

no image

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