

OIL ANALYSIS REPORT



Sample Rating Trend







{UNASSIGNED} [1] CARRIER WSU Mott Ch 1 (S/N 1702Q66938) Component

Component
Centrifugal Compressor
Fluid
CARRIER 68 (8 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Routine maintenance)

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.

Ch 1 (S/N 1702Q)	56938)					
or						
				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0827233		
Sample Date		Client Info		29 Apr 2024		
Machine Age	hrs	Client Info		47793		
Oil Age	hrs	Client Info		47793		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>25	<1		
Copper	ppm	ASTM D5185m	>50	1		
Tin	ppm	ASTM D5185m	>15	10		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	1		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	0	<1		
Calcium	ppm	ASTM D5185m	0	3		
Phosphorus	ppm	ASTM D5185m	1350	1660		
Zinc	ppm	ASTM D5185m	10	3		
Sulfur	ppm	ASTM D5185m	200	0		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.030	0.004		
ppm Water	ppm	ASTM D6304	>300	45		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	3687		
Particles >6µm		ASTM D7647	>2500	640		
Particles >14µm		ASTM D7647	>320	24		
Particles >21µm		ASTM D7647	>80	7		
Particles >38µm		ASTM D7647	>20	0		

ASTM D7647 >4

mg KOH/g ASTM D8045 0.07

ISO 4406 (c) >20/18/15

0

19/16/12

0.014

Particles >71µm

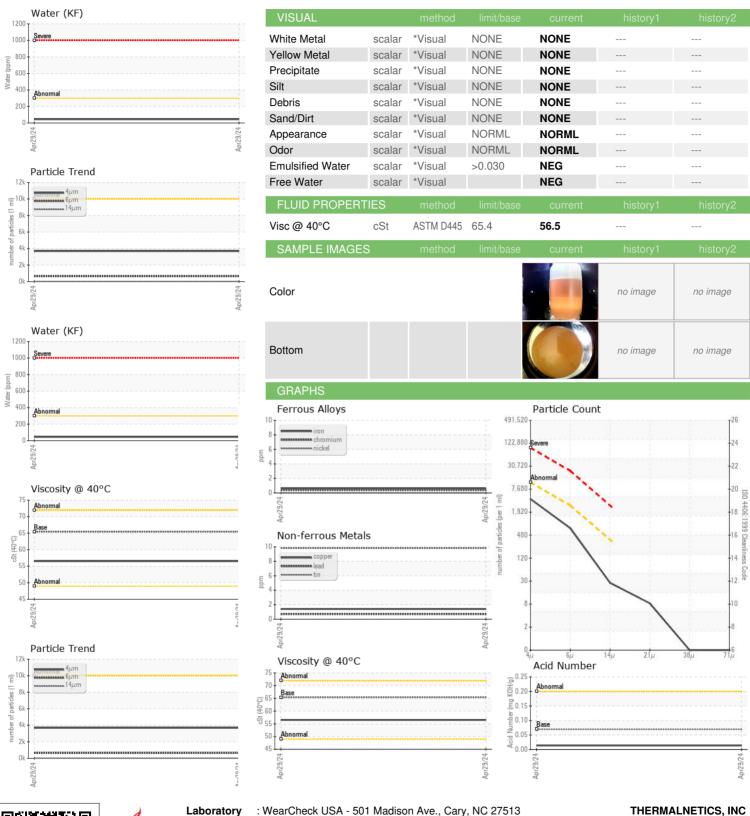
Oil Cleanliness

Acid Number (AN)

FLUID DEGRADATION



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0827233 Lab Number : 06177277 Unique Number : 11023330

Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 May 2024 **Tested**

: 14 May 2024 Diagnosed : 15 May 2024 - Doug Bogart

3955 PINNACLE COURT SUITE 200

AUBURN HILLS, MI US 48326

Contact: GARY WATSON garyw@thermalnetics.com T: (248)276-3351

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

 st - 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)