

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id WC-9220-0101-5 Chiller #1 Chiller

Fluid YORK TYPE K (--- 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 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 acceptable for the time in service.

Sample Date Client Info 10 Jun 2024 13 Nov 2023 19 Jun 2023 Machine Age hrs Client Info 19157 17936 16988 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A N/A Sample Status method limit/base current history1 history1 history2 Iron ppm ASTM 05155m >8 3 <1 4 Ohromium ppm ASTM 05155m >2 0 0 0 Nickel ppm ASTM 05155m >2 0 0 0 Aluminum ppm ASTM 05155m >2 0 0 0 Aluminum ppm ASTM 05155m >2 0 0 0 0 Astm 05155m >4 0 <1 <1 1 0 0 Vanadium ppm ASTM 05155m 0	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 19157 17936 16988 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Imit base current history1 history2 Iron ppm ASTM 05185m >8 3 <1 4 Chromium ppm ASTM 05185m >2 0 0 0 Nickel ppm ASTM 05185m >2 0 0 0 Silver ppm ASTM 05185m >2 0 0 0 Lead ppm ASTM 05185m >2 0 0 0 0 Cadmium ppm ASTM 05185m >2 0	Sample Number		Client Info		WC0827399	WC0836499	WC0784742
Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A N/A WEAR METALS method limit/base current history2 history2 Iron ppm ASTM D5185m >2 0 0 0 Nickel ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Auminum ppm ASTM D5185m >2 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ASTM D5185m 0 0 0 0 0 0 ASTM D5185m 0 0 0 0 0 0 Cadmium	Sample Date		Client Info		10 Jun 2024	13 Nov 2023	19 Jun 2023
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Particles >4µm ASTM D7647 >10000 892 697 928 Particles >6µm ASTM D7647 >2500 169 143 223 Particles >14µm ASTM D7647 >320 5 5 19 Particles >21µm ASTM D7647 >80 2 1 7 Particles >21µm ASTM D7647 >20 1 0 1 Particles >38µm ASTM D7647 >20 1 0 0 Particles >71µm ASTM D7647 >4 1 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 17/15/10 17/14/10 17/15/11	ppm Water	ppm	ASTM D6304		375	489.0	678.5
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Particles >38μm ASTM D7647 >20 1 0 1 Particles >71μm ASTM D7647 >4 1 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 17/15/10 17/14/10 17/15/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm					5	
Particles >71μm ASTM D7647 >4 1 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 17/15/10 17/14/10 17/15/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm			>80	2	1	7
Oil Cleanliness ISO 4406 (c) >20/18/15 17/15/10 17/14/10 17/15/11 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm				1	0	
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>4	1	0	
	Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/10	17/14/10	17/15/11
Acid Number (AN) mg KOH/g ASTM D8045 0.03 0.014 0.012 0.031	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.014	0.012	0.031



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OIL ANALYSIS REPORT

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NONE

NONE

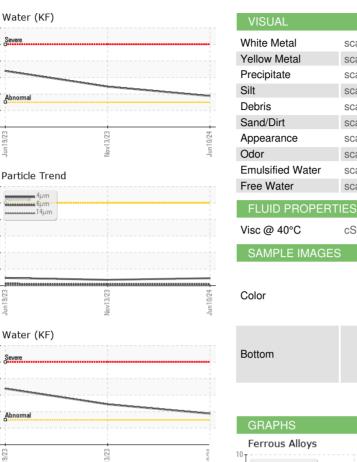
NONE

NONE

NORML

NORML

>0.03





NONE

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NONE

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NORML

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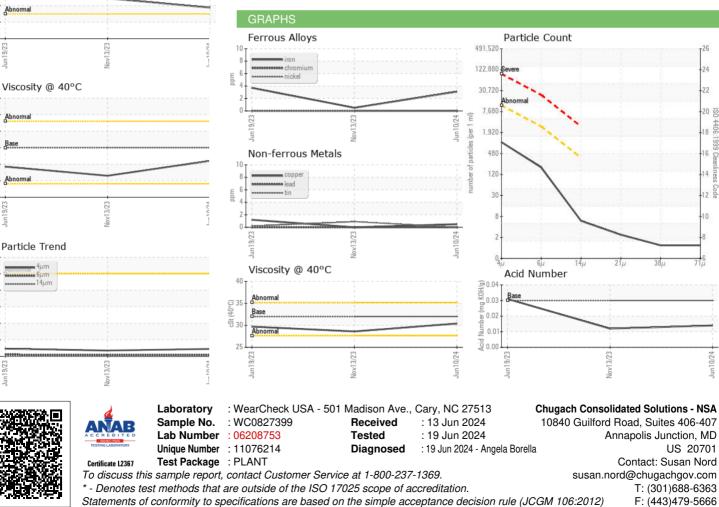
NONE

NONE

NORML

NORML

NEG



Report Id: CHUANN [WUSCAR] 06208753 (Generated: 06/21/2024 12:08:37) Rev: 1

Contact/Location: Susan Nord - CHUANN

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