

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id Bead Cutter TC-60 Component Hydraulic System Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

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

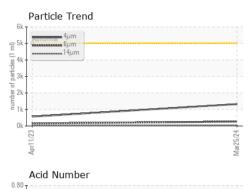
		<u>.</u>	Apr2023	Mar2024		
SAMPLE INFORM	IATION	method				history2
Sample Number		Client Info		WC0841240	WC0690137	
Sample Date		Client Info		25 Mar 2024	11 Apr 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	4	
Chromium	ppm	ASTM D5185m	>20	0	<1	
Nickel	ppm	ASTM D5185m	>20	0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>20	0	0	
Lead	ppm	ASTM D5185m	>20	0	0	
Copper	ppm	ASTM D5185m	>20	0	<1	
Tin	ppm	ASTM D5185m	>20	0	0	
Vanadium	ppm	ASTM D5185m		0	1	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		55	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		2	<1	
Calcium	ppm	ASTM D5185m		44	8	
Phosphorus	ppm	ASTM D5185m		160	15	
Zinc	ppm	ASTM D5185m		38	3	
Sulfur	ppm	ASTM D5185m		632	46	
CONTAMINANTS		method	limit/base		history1	history?
Silicon			>15	current	5	history2
Sodium	ppm	ASTM D5185m	210	<1	29	
Potassium	ppm ppm	ASTM D5185m	>20	< 1 0	4	
FLUID CLEANLIN		method	limit/base		history1	history2
Particles >4µm		ASTM D7647	>5000	1324	569	
Particles >6µm			>1300	265	157	
Particles >14µm		ASTM D7647	>160	29	21	
Particles >21µm		ASTM D7647 ASTM D7647		8	9	
Particles >38µm		ASTM D7647 ASTM D7647	>10	1	0	
Particles >71µm		ASTM D7647 ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/15/12	16/14/12	
		()				
FLUID DEGRADA		method	limit/base		history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.73	0.63	
):56:27) Rev: 1				Sub	omitted By: STF	VEN CASTILLO

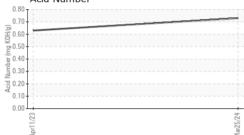
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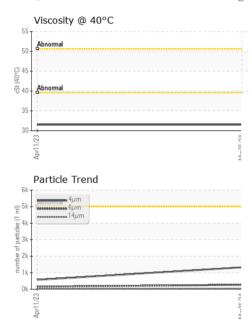
Submitted By: STEVEN CASTILLO

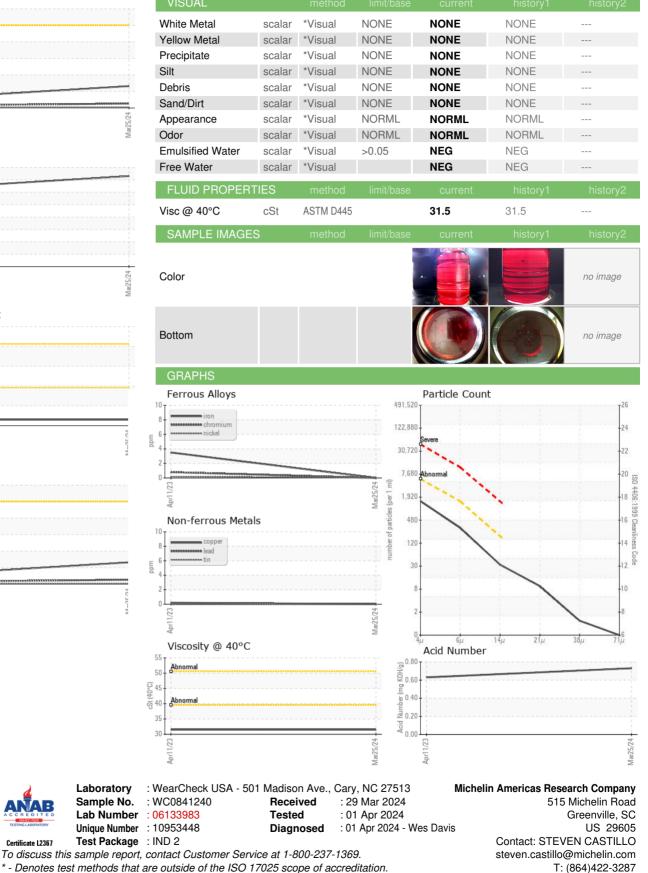


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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Certificate L2367

Laboratory

Sample No.

F: (864)422-3518