

OIL ANALYSIS REPORT

Area AAA **BOURN & KOCH 195601**

Hydraulic System

FUCHS RENOLIN ZAF B 46 HT ZINC FREE (60 GAL)

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 Date Client Info 27 Mar 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >20 2 Nickel ppm ASTM D5185m >10 <1 Bilver ppm ASTM D5185m >10 <1 Auminum ppm ASTM D5185m >10 <1 Lead ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m <1 Adminum ppm ASTM D5185m <1 Astm D5185m <1 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Sample Date Client Info 27 Mar 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5165m >20 2 Nickel ppm ASTM D5165m >10 -1 Intanium ppm ASTM D5165m >10 -1 Auminum ppm ASTM D5165m >10 -1 Lead ppm ASTM D5165m >10 -1 Vanadium ppm ASTM D5165m <1 ADDTIVES method Imit/base current history1 history2 Barium ppm	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A WEAR METALS method Imit/base current history1 history2 Iron ppm ASTM D5185m >10 <1 Ohromium ppm ASTM D5185m >10 <1 Silver ppm ASTM D5185m >10 <1 Aluminum ppm ASTM D5185m 0 Copper ppm ASTM D5185m >10 <1 Cadmium ppm ASTM D5185m <1 ADDITVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 ADDIT	Sample Number		Client Info		FCH0000022		
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Dromium ppm ASTM D5185m >10 <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m > 10 <1 Titanium ppm ASTM D5185m 0 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >10 2 Aluminum ppm ASTM D5185m >10 <1	Iron	ppm	ASTM D5185m	>20	2		
Titanium ppm ASTM D5185m <1 Silver ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >10 2 Aluminum ppm ASTM D5185m >10 <1	Chromium	ppm	ASTM D5185m	>10	<1		
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Copper ppm ASTM D5185m >75 1 Tin ppm ASTM D5185m >10 <1	Aluminum	ppm	ASTM D5185m	>10	2		
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Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m <1	Copper	ppm	ASTM D5185m	>75	1		
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Phosphorus ppm ASTM D5185m 51 Zinc ppm ASTM D5185m 5 Sulfur ppm ASTM D5185m 1109 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >20 <1	Magnesium	ppm	ASTM D5185m		<1		
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SulfurppmASTM D5185m1109CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>20<1	Phosphorus	ppm	ASTM D5185m		51		
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Silicon ppm ASTM D5185m >20 <1	Sulfur	ppm	ASTM D5185m		1109		
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Particles >71μm ASTM D7647 >3 0 Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>10			
Oil Cleanliness ISO 4406 (c) >19/17/14 18/16/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness						
	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)		ASTM D8045		0.14		

	pp		- 10	-		
ı	ppm	ASTM D5185m	>10	<1		
	ppm	ASTM D5185m	>10	<1		
	ppm	ASTM D5185m		<1		
	ppm	ASTM D5185m		0		
l	ppm	ASTM D5185m	>10	2		
	ppm	ASTM D5185m	>10	<1		
	ppm	ASTM D5185m	>75	1		
	ppm	ASTM D5185m	>10	<1		
l	ppm	ASTM D5185m		<1		
	ppm	ASTM D5185m		<1		
VES		method	limit/base	current	history1	history2
	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		0		
um	nnm	ACTM DE185m		-1		

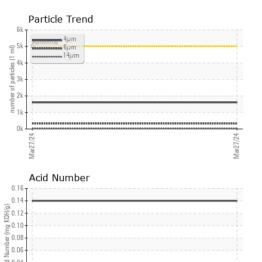
Sample Rating Trend

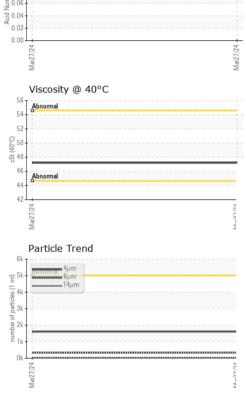


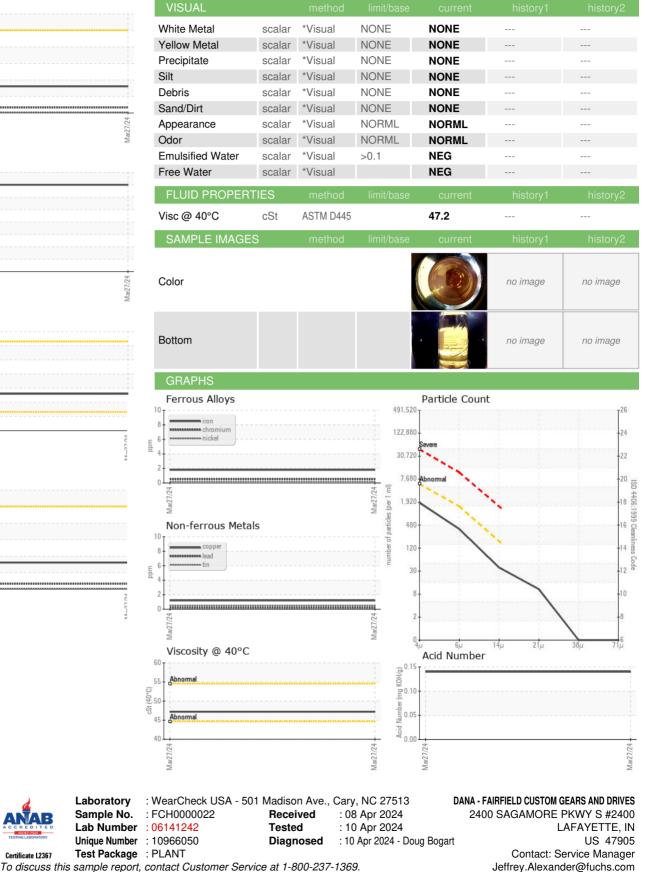
NORMAL



OIL ANALYSIS REPORT







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

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Laboratory

Sample No.

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

Certificate 12367

Submitted By: GODWIN GEORGE Page 2 of 2

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