

OIL ANALYSIS REPORT

Sample Rating Trend



Area F17 Machine Id GLEASON 305901

Hydraulic System

FUCHS RENOLIN ZAF B 46 HT ZINC FREE (32 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 suitable for further service.

SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		FCH0000009		
Sample Date		Client Info		27 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
		mathad	limit/base	ourropt	biotomat	biotory 0
WEAR METALS		methoa	iimii/base	current	nistory i	nistory2
Iron	ppm	ASTM D5185m	>20	<1		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		6		
Phosphorus	ppm	ASTM D5185m		57		
Zinc	ppm	ASTM D5185m		4		
Sulfur	ppm	ASTM D5185m		1255		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	mqq	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304	>0.1	NEG		
FLUID CLEANLIN	FSS	method	limit/base	current	historv1	history2
Particles Mum		ASTM D76/7	>5000	640		
Particles >4 μ m		ASTM D7647	>1200	104		
Particles >0µm		ASTM D7647	>160	194		
Particles >14µIII		ASTM D7647	>40	3		
Particles >2 1µ11		ASTM D76/7	>10	0		
Particles >30µm		ASTM D7647	~3	0		
		ISO 4406 (a)	<pre>>0</pre>	17/15/11		
	TION	130 4400 (C)	>13/11/14	17/13/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.15		



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Unique Number : 10966063 Test Package : PLANT

Laboratory

Sample No.

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

T: F:

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Certificate 12367

Submitted By: GODWIN GEORGE Page 2 of 2

Contact: Service Manager