

MAZAK 307001

OIL ANALYSIS REPORT

Sample Rating Trend



Spindel Fluid

FUCHS RENOLIN ZAF B 10 HT ZINC FREE (9 GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

Area

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the fluid.

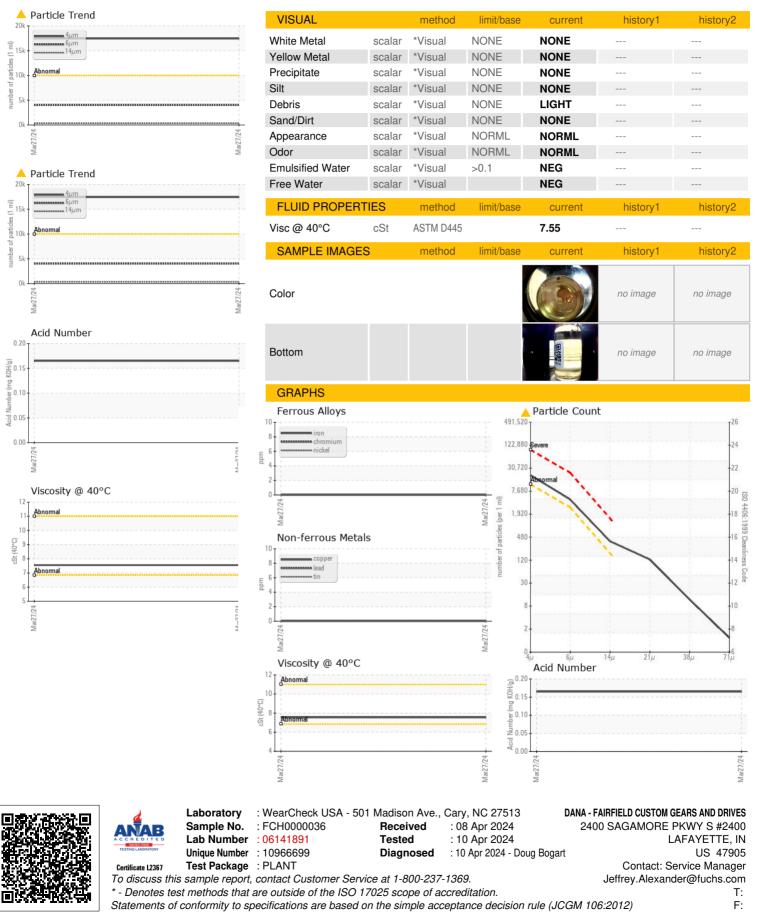
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		FCH0000036		
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				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	0		
Chromium	ppm	ASTM D5185m	>2	0		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>2	0		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>7	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m	210	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	I- I-	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m		0		motoryz
Barium	ppm	ASTM D5185m		0		
	ppm			0		
Molybdenum	ppm	ASTM D5185m ASTM D5185m		u <1		
Manganese	ppm					
Magnesium Calcium	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m				
Phosphorus	ppm	ASTM D5185m		39		
Zinc	ppm	ASTM D5185m		47		
Sulfur	ppm	ASTM D5185m		1095		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	0		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.1	NEG		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	17443		
Particles >6µm		ASTM D7647	>2500	<u> </u>		
Particles >14µm		ASTM D7647	>160	A 329		
Particles >21µm		ASTM D7647	>40	<u> </u>		
Particles >38µm		ASTM D7647	>10	10		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>20/18/14	A 21/19/16		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.165		



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