

OIL ANALYSIS REPORT

Sample Rating Trend



L11 Machine Id MAZAK 310402

Spindel

Area

Fluid FUCHS RENOLIN ZAF B 2 HT ZINC FREE (29 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 fluid. The amount and size of particulates present in the system are acceptable.

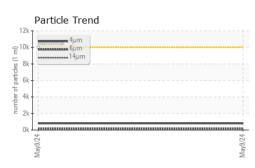
Fluid Condition

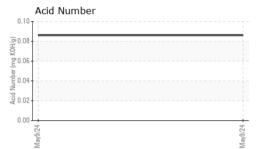
The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

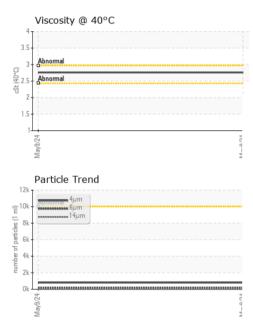
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		FCH0000076		
Sample Date		Client Info		09 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	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	6		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
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		<1		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		46		
Zinc	ppm	ASTM D5185m		41		
Sulfur	ppm	ASTM D5185m		678		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	2		
Sodium	ppm	ASTM D5185m	-	-		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.1	NEG		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	795		
Particles >6µm		ASTM D7647	>2500	165		
Particles >14µm		ASTM D7647	>160	8		
Particles >21µm		ASTM D7647		1		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>20/18/14	17/15/10		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.086		



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*Visual NONE White Metal NONE scalar Yellow Metal *Visual NONE NONE scalar NONE Precipitate scalar *Visual NONE Silt scalar *Visual NONE NONE Debris *Visual NONE NONE scalar Sand/Dirt NONE NONE scalar *Visual NORML NORML Appearance scalar *Visual Odor *Visual NORML NORML scalar **Emulsified Water** scalar *Visual >0.1 NEG Free Water scalar *Visual NEG FLUID PROPERTIES Visc @ 40°C cSt ASTM D445 2.76 SAMPLE IMAGES Color no image no image Bottom no image no imade GRAPHS Ferrous Alloys Particle Count 491,52 122,88 30 72 7.68 (per 1 ml Mav9/24 4406 1,920 :1999 Cle Non-ferrous Metals 480 120 14 30 214 Viscosity @ 40°C Acid Number 0.10) (D/H0) 0.08 3.5 Ē 0.06 € £2.5 St · 은 0.04 Acid Ni 0.00 Mav9/24 Mav9/74 Puell : WearCheck USA - 501 Madison Ave., Cary, NC 27513 DANA - FAIRFIELD CUSTOM GEARS AND DRIVES : FCH0000076 Received : 16 May 2024 2400 SAGAMORE PKWY S #2400 Lab Number : 06182313 Tested LAFAYETTE, IN : 21 May 2024 Unique Number : 11033639 Diagnosed : 21 May 2024 - Jonathan Hester US 47905 Test Package : PLANT Contact: Service Manager

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)

Certificate 12367

Laboratory

Sample No.

T:

F:

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