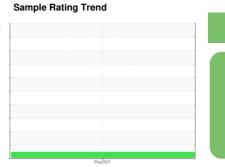


OIL ANALYSIS REPORT

K19 **FELLOWS 202301**

Hydraulic System

FUCHS RENOLIN ZAF B 46 HT ZINC FREE





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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.

(150 GAL)				May2024		
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		FCH0000055		
Sample Date		Client Info		01 May 2024		
Machine Age	hrs	Client Info		01 May 2024		
Oil Age	hrs	Client Info		0		
•	1115	Client Info		N/A		
Oil Changed Sample Status		Ciletit IIIIO		NORMAL		
WEAR METALS		method	limit/base		history1	history2
				current		
ron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Γitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>10	0		
_ead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	<1		
Γin	ppm	ASTM D5185m	>10	0		
/anadium	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		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		75		
Zinc		ASTM D5185m		0		
	ppm			•		
Sulfur	ppm	ASTM D5185m		1388		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	1		
Water	%	ASTM D6304	>0.1	NEG		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	482		
Particles >6µm		ASTM D7647	>1300	136		
Particles >14µm		ASTM D7647	>160	8		
Particles >21µm		ASTM D7647		2		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	16/14/10		
FLUID DEGRADA	ATION _	method	limit/base	current	history1	history2
T 2010 DEGITADA		motilou	- mmin base	oarront	— matory i	— motoryz

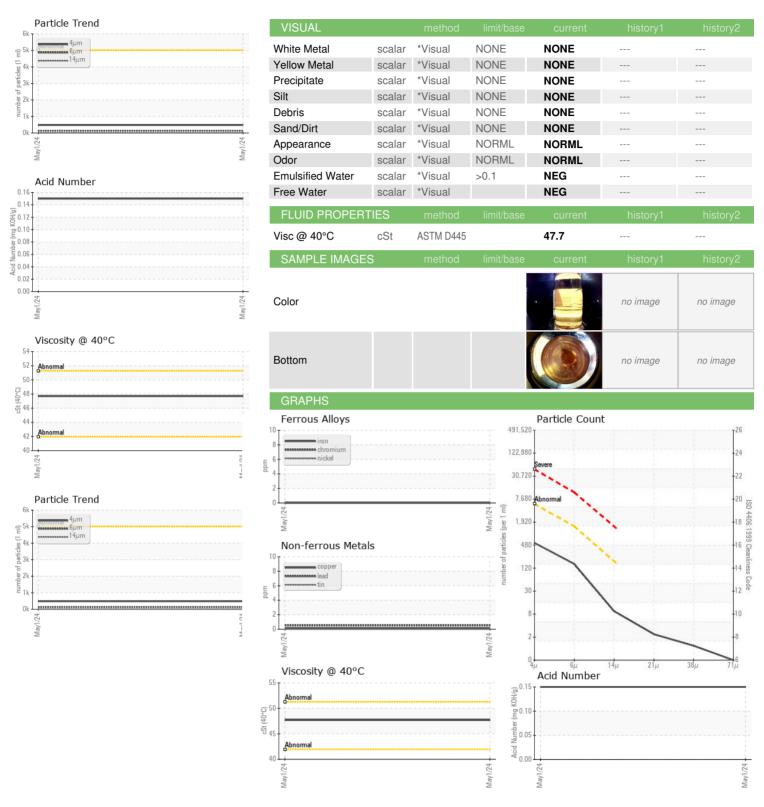
0.15

Acid Number (AN)

mg KOH/g ASTM D8045



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Unique Number : 11033294

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : FCH0000055 Lab Number : 06181968

Test Package : PLANT

Received : 16 May 2024 **Tested** : 21 May 2024

Diagnosed : 21 May 2024 - Jonathan Hester

DANA - FAIRFIELD CUSTOM GEARS AND DRIVES 2400 SAGAMORE PKWY S #2400 LAFAYETTE, IN US 47905

Contact: Service Manager Jeffrey.Alexander@fuchs.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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