

OIL ANALYSIS REPORT

ISO

920096-260369

Component

Hydraulic System

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0102462	GFL0102543	
Sample Date		Client Info		06 Jan 2024	27 Nov 2023	
Machine Age	hrs	Client Info		9080	8807	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	N/A	
Sample Status				ABNORMAL	ABNORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	5	
Chromium	ppm	ASTM D5185m		<1	<1	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>10	2	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	2	2	
Tin	ppm	ASTM D5185m	>10	- <1	0	
Vanadium	ppm	ASTM D5185m	710	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
	PPIII					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		2	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m		11	14	
Calcium	ppm	ASTM D5185m		89	94	
Phosphorus	ppm	ASTM D5185m		350	354	
Zinc	ppm	ASTM D5185m		436	454	
Sulfur	ppm	ASTM D5185m		927	934	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1	2	
Sodium	ppm	ASTM D5185m		0	2	
Potassium	ppm	ASTM D5185m	>20	1	<1	
FLUID CLEANL	INESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	27296	<u>29444</u>	
Particles >6µm		ASTM D7647	>1300	<u> </u>	8860	
Particles >14μm		ASTM D7647	>160	533	△ 614	
Particles >21µm		ASTM D7647	>40	<u> </u>	<u></u> 169	
Particles >38μm		ASTM D7647	>10	12	9	
Particles >71μm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>22/20/16</u>	<u>22/20/16</u>	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045



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Laboratory Sample No. Lab Number **Unique Number**

: GFL0102462 : 06061906

: 10833288

: 16 Jan 2024 Recieved Diagnosed

: 17 Jan 2024 : Wes Davis

Diagnostician

Test Package : FLEET (Additional Tests: PrtCount) Certificate L2367 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)

GFL Environmental - 837 - Harrison TS

22820 S State Route 291 Harrisonville, MO US 64701

Contact: BRYAN SWANSON

bryanswanson@gflenv.com

T: F:

Contact/Location: BRYAN SWANSON - GFL837