WEAR CONTAMINATION FLUID CONDITION

SEVERE

ABNORMAL

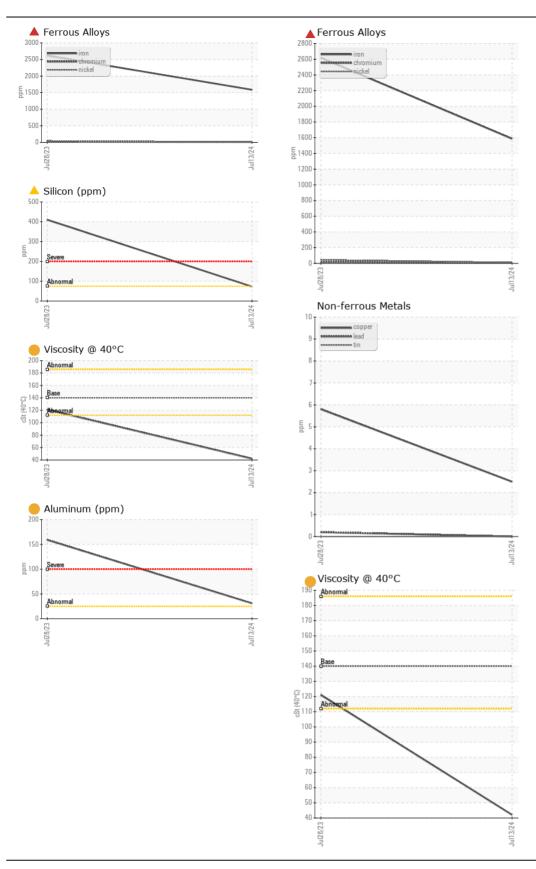
ATTENTION

Machine Id

427192

2 Differential

GEAR OIL LS 80W90 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check all areas where dirt can enter the system. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. (Customer Sample Comment: 2nd Axle / Tag)	Sample Number	00111	Client Info	Little/toll	GFL0128776	GFL0089436	
	Sample Date		Client Info		13 Jul 2024	28 Jul 2023	
	Machine Age	mls	Client Info		355324	329996	
	Oil Age	mls	Client Info		25328	329996	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Changed	
	Filter Changed		Client Info		Not Changd	N/A	
	Sample Status				SEVERE	SEVERE	
WEAR	Iron	ppm	ASTM D5185m	>500	1587	2 618	
Gear wear is indicated.	Chromium	ppm	ASTM D5185m	>10	<u> </u>	<u> </u>	
	Nickel	ppm	ASTM D5185m	>10	<u> </u>	4 5	
	Titanium	ppm	ASTM D5185m		<1	4	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	31	159	
	Lead	ppm	ASTM D5185m	>25	0	<1	
	Copper	ppm	ASTM D5185m	>100	2	6	
	Tin	ppm	ASTM D5185m	>10	0	0	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	4 73	4 10	
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-	Potassium	ppm	ASTM D5185m		2	15	
silicate (coarse dirt) ingress.	Water		WC Method	>.2	NEG	NEG	
· · · · · · · ·	Silt	scalar	*Visual	NONE	MODER	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	4	
The oil viscosity is lower than normal. Confirm oil type.	Boron	ppm	ASTM D5185m	150	6	28	
The state of the s	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		3	6	
	Manganese	ppm	ASTM D5185m		16	29	
	Magnesium	ppm	ASTM D5185m	10	3	12	
	Calcium	ppm	ASTM D5185m		49	303	
	Phosphorus	ppm	ASTM D5185m		512	420	
	Zinc	ppm	ASTM D5185m	50	10	95	
	Sulfur	ppm	ASTM D5185m		19129	17615	
Papart Id. CEI 002 RMI ISCADI 06240769 (Caparatad: 07/92/2024 10:12:12) Pays 1	Visc @ 40°C	cSt	ASTM D445	140	42.1	121	





Certificate L2367

Laboratory Sample No.

: GFL0128776 Lab Number : 06240768 Unique Number : 11129602 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jul 2024 **Tested** : 19 Jul 2024

Diagnosed : 22 Jul 2024 - Don Baldridge

GFL Environmental - 983 - Sugar Land Hauling 16011 West Belfort Street

Sugar Land, TX US 77498 Contact: Adrian Martinez

adrianmartinez@gflenv.com T:

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)

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