

## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION ATTENTION



Machine Id **420095** Component **1 Differential** Fluid

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

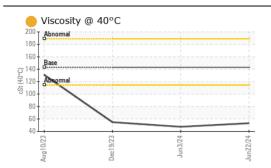
There is no indication of any contamination in the oil.

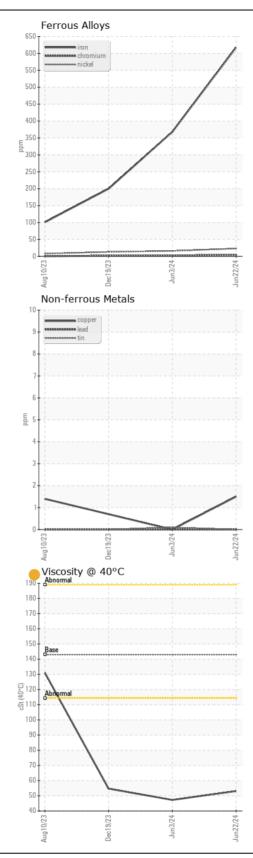
## FLUID CONDITION

The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0123550	GFL0123602	GFL0105536
Sample Date		Client Info		22 Jun 2024	03 Jun 2024	19 Dec 2023
Machine Age	mls	Client Info		141876	126541	109082
Oil Age	mls	Client Info		141876	126541	109082
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ATTENTION
Iron	ppm	ASTM D5185m	>1200	617	368	200
Chromium	ppm	ASTM D5185m	>8	4	2	2
Nickel	ppm	ASTM D5185m	>20	23	16	13
Titanium	ppm	ASTM D5185m	>4	<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	6	2	4
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	2	0	<1
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>230	146	69	91
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water	1-1-	WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual				
Sand/Dirt		* 1000U	NONE	NONE	LIGHT	NONE
Appearance	scalar	*Visual	NONE	NONE NONE	LIGHT NONE	NONE
	scalar scalar					
Odor		*Visual	NONE	NONE	NONE	NONE
Odor Emulsified Water	scalar scalar	*Visual *Visual	NONE	NONE	NONE	NONE
Emulsified Water	scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NORML NORML >.2	NONE NORML NORML	NONE NORML NORML NEG	NONE NORML NORML NEG
Emulsified Water Sodium	scalar scalar scalar ppm	*Visual *Visual *Visual	NORML NORML >.2 >170	NORML NORML NORML NEG 4	NONE NORML NEG 1	NONE NORML NORML NEG 4
Emulsified Water	scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m	NONE NORML NORML >.2	NONE NORML NORML NEG	NONE NORML NORML NEG	NONE NORML NORML NEG
Emulsified Water Sodium Boron Barium	scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NORML >.2 >170 400 200	NONE NORML NORML NEG 4 64	NONE NORML NORML NEG 1 28	NONE NORML NORML NEG 4 53
Emulsified Water Sodium Boron	scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m	NONE NORML >.2 >170 400	NONE NORML NORML NEG 4 64 <1	NONE NORML NORML NEG 1 28 0	NONE NORML NORML NEG 4 53 0
Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML >.2 >170 400 200	NONE NORML NORML NEG 4 64 <1 <1	NONE NORML NEG 1 28 0 0	NONE NORML NORML NEG 4 53 0 0
Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >.2 >170 400 200 12	NORML NORML NEG 4 64 <1 <1 <1 6	NONE NORML NEG 1 28 0 0 0 4	NONE NORML NORML NEG 4 53 0 0 0 3
Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >.2 >170 400 200 12 12	NORML NORML NEG 4 64 <1 <1 6 2	NONE NORML NORML NEG 1 28 0 0 0 4 0	NONE NORML NORML NEG 4 53 0 0 0 3 0 0
Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >.2 >170 400 200 12 12 12	NORML NORML NEG 4 64 <1 <1 6 2 2 4	NONE NORML NEG 1 28 0 0 4 0 4 0 8	NONE NORML NORML NEG 4 53 0 0 3 0 3 0 11
Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >.2 >170 400 200 12 12 12 12 12 150 1650	NORML NORML NEG 4 64 <1 <1 6 2 4 2 4 742	NONE NORML NEG 1 28 0 0 0 4 0 4 0 8 560	NONE NORML NEG 4 53 0 0 0 3 0 0 11 693

Submitted By: TECHNICIAN ACCOUNT





: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Diagnosed

Tested

: 27 Jun 2024

: 28 Jun 2024

GFL Environmental - 983 - Sugar Land Hauling 16011 West Belfort Street Sugar Land, TX : 29 Jun 2024 - Don Baldridge US 77498 Contact: TECHNICIAN ACCOUNT wcgfldemo@gmail.com Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:



Report Id: GFL983 [WUSCAR] 06222672 (Generated: 06/29/2024 12:30:49) Rev: 1

Certificate L2367

Laboratory

Sample No.

Lab Number : 06222672

Unique Number : 11100869

Test Package : FLEET

: GFL0123550

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.

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