

Machine Id **427191** Component **1 Differential** Fluid **GEAR OIL SAE 75W90 (--- GAL)**

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 1st Axle / Pusher)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

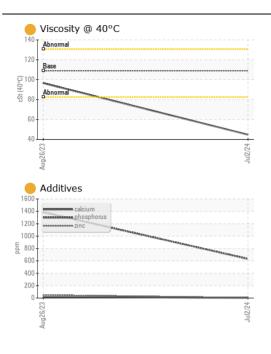
FLUID CONDITION

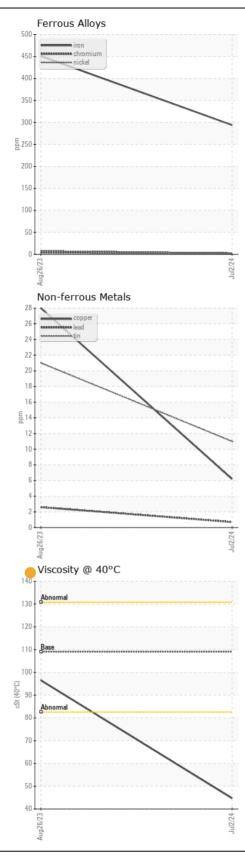
The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0123513	GFL0089462	
Sample Date		Client Info		02 Jul 2024	26 Aug 2023	
Machine Age	mls	Client Info		375801	340693	
Oil Age	mls	Client Info		375801	340693	
Filter Age	mls	Client Info		375801	0	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		Not Changd	N/A	
Sample Status				ATTENTION	ABNORMAL	
Iron		ASTM D5185m	. 500	204	454	
Iron Chromium	ppm		>500 >10	294 2	451 4	
Nickel	ppm	ASTM D5185m		2	8	
	ppm	ASTM D5185m	>10	ა <1	-	
Titanium Silver	ppm	ASTM D5185m ASTM D5185m		<1 0	<1 0	
Aluminum	ppm	ASTM D5185m	>25	7	<b>1</b> 1	
Lead	ppm	ASTM D5185m	>20 >25	7 <1	3	
	ppm	ASTM D5185m		<1 6	28	
Copper Tin	ppm	ASTM D5185m	>100	0 11	20	
Vanadium	ppm	ASTM D5185m	>10	0	0	
White Metal	ppm scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Scalal	visuai	NONE		NONE	
Silicon	ppm	ASTM D5185m	>75	37	<b>1</b> 77	
Potassium	ppm	ASTM D5185m	>20	2	5	
Water						
		WC Method	>.2	NEG	NEG	
Silt	scalar	WC Method *Visual	>.2 NONE	NEG NONE	NEG NONE	
Silt Debris	scalar scalar					
		*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual *Visual	NONE	NONE	NONE	
Debris Sand/Dirt	scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE	NONE NONE NONE	
Debris Sand/Dirt Appearance	scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NORML	NONE NONE NONE NORML	NONE NONE NONE NORML	
Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NORML NORML	NONE NONE NORML NORML NEG	NONE NONE NORML NORML NEG	   
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NONE NORML NORML >.2	NONE NONE NORML NORML NEG 2	NONE NONE NORML NORML NEG 3	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2	NONE NONE NORML NORML NEG 2 43	NONE NONE NORML NORML NEG 3 236	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	NONE NONE NONE NORML >.2 400 200	NONE NONE NORML NORML NEG 2 43 0	NONE NONE NORML NORML NEG 3 236 0	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2	NONE NONE NORML NORML NEG 2 43 0 0	NONE NONE NORML NORML NEG 3 236 0 <1	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 400 200 12	NONE NONE NORML NORML NEG 2 43 0 0 5	NONE NONE NORML NORML NEG 3 236 0 <1 11	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NONE NORML NORML >.2 400 200 12	NONE NONE NORML NORML NEG 2 43 0 0 5 5 <1	NONE NONE NORML NORML NEG 3 236 0 <1 11 0	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NONE NORML NORML >.2 400 200 12 12 12	NONE NONE NORML NORML NEG 2 43 0 0 5 <1 4	NONE NONE NORML NORML NEG 3 236 0 <1 11 0 17	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 400 200 12 12 12 150 150	NONE NONE NORML NORML NEG 2 43 0 0 5 <1 4 4	NONE NONE NORML NORML NEG 3 236 0 <1 11 0 17 1386	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 400 200 12 12 12 150 1650 125	NONE NONE NORML NORML NEG 2 43 0 0 5 <1 4 4 632 4	NONE NONE NORML NORML NEG 3 236 0 <11 11 0 17 1386 49	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NONE NORML NORML >.2 400 200 12 12 12 150 150	NONE NONE NORML NORML NEG 2 43 0 0 5 <1 4 4	NONE NONE NORML NORML NEG 3 236 0 <1 11 0 17 1386	

Submitted By: TECHNICIAN ACCOUNT

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION ATTENTION





GFL Environmental - 983 - Sugar Land Hauling 16011 West Belfort Street Sugar Land, TX ster US 77498 Contact: TECHNICIAN ACCOUNT wcgfldemo@gmail.com T: UCGM 106:2012) F:



 Unique Number
 : 11115287
 Diagnosed
 : 11 Jul 2024 - Jonathan Hester

 Centificate 12367
 Test Package
 : FLEET
 Contact: TECHNICIL

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 wcgflden

 * - 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)

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

Received

Tested

: 09 Jul 2024

: 10 Jul 2024

Laboratory

Sample No.

Lab Number : 06231794

: GFL0123513

Submitted By: TECHNICIAN ACCOUNT Page 2 of 2