

Machine Id **426143** Component **2 Differential** Fluid **GEAR OIL SAE 80W90 (--- GAL)**

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 2nd Axle / Tag)

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

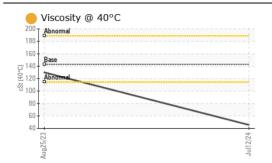
FLUID CONDITION

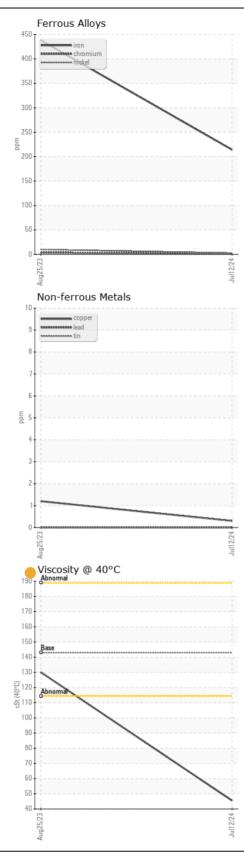
The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0128737	GFL0089468	
Sample Date		Client Info		12 Jul 2024	25 Aug 2023	
Machine Age	mls	Client Info		296166	445086	
Oil Age	mls	Client Info		296166	445086	
Filter Age	mls	Client Info		296166	0	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		Not Changd	N/A	
Sample Status				ATTENTION	NORMAL	
Iron		ASTM D5185m	. 500	214	438	
Iron Chromium	ppm	ASTM D5185m	>500 >10	214	430	
	ppm	ASTM D5185m		_		
Nickel Titanium	ppm	ASTM D5185m	>10	3 <1	10	
Silver	ppm	ASTM D5185m		<1 <1	<1 0	
Aluminum	ppm		. 05		-	
Lead	ppm	ASTM D5185m ASTM D5185m	>25 >25	1	4	
	ppm		>25	-	1	
Copper	ppm	ASTM D5185m		<1		
Tin Vanadium	ppm	ASTM D5185m	>10	0	0	
White Metal	ppm	*Visual	NONE	0 NONE	NONE	
	scalar					
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	26	48	
Potassium						
	ppm	ASTM D5185m	>20	3	4	
Water	ppm	WC Method	>20 >.2	3 NEG	4 NEG	
Water Silt	scalar			-		
		WC Method	>.2	NEG	NEG	
Silt	scalar	WC Method *Visual	>.2 NONE	NEG NONE	NEG NONE	
Silt Debris	scalar scalar	WC Method *Visual *Visual	>.2 NONE NONE	NEG NONE LIGHT	NEG NONE NONE	
Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>.2 NONE NONE NONE	NEG NONE LIGHT NONE	NEG NONE NONE NONE	
Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>.2 NONE NONE NORE	NEG NONE LIGHT NONE NORML	NEG NONE NONE NONE	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>.2 NONE NONE NORML NORML >.2	NEG NONE LIGHT NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	 >.2 NONE NONE NORML >.2 >170 	NEG NONE LIGHT NONE NORML NEG	NEG NONE NONE NORML NORML NEG 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	 >.2 NONE NONE NORML >.2 >170 400 	NEG NONE LIGHT NONE NORML NORML NEG <1 16	NEG NONE NONE NORML NORML NEG 0 41	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	 >.2 NONE NONE NORML NORML >.2 >170 400 200 	NEG NONE LIGHT NORML NORML NEG <1 16 0	NEG NONE NONE NORML NORML NEG 0 41	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	 >.2 NONE NONE NORML >.2 >170 400 	NEG NONE LIGHT NONE NORML NEG <1 16 0 <1	NEG NONE NONE NORML NORML NEG 0 41 0 1	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >.2 NONE NORML NORML >.2 >170 400 200 12 	NEG NONE LIGHT NONE NORML NEG <1 16 0 <1 2	NEG NONE NONE NORML NORML NEG 0 41 0 1 6	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >.2 NONE NORML NORML >.2 >170 400 200 12 12 	NEG NONE LIGHT NORML NORML NEG <1 16 0 <1 2 3	NEG NONE NONE NORML NORML NEG 0 41 0 1 6 6	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >.2 NONE NONE NORML >.2 >170 400 200 12 12 150 	NEG NONE LIGHT NONE NORML NEG <1 16 0 <1 2 3 26	NEG NONE NONE NORML NORML NEG 0 41 0 41 0 1 6 6 6 155	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >.2 NONE NONE NORML >.2 >170 400 200 12 12 150 1650 	NEG NONE LIGHT NONE NORML NEG <1 16 0 <1 2 3 26 446	NEG NONE NONE NORML NORML NEG 0 41 0 1 6 6 6 155 484	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >.2 NONE NORME NORML >.2 >170 400 200 12 12 150 125 	NEG NONE LIGHT NORML NORML NORML C 16 0 <1 2 3 26 446 23	NEG NONE NONE NORML NORML NEG 0 41 0 1 6 6 6 155 484 41	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >.2 NONE NONE NORML >.2 >170 400 200 12 12 150 1650 	NEG NONE LIGHT NONE NORML NEG <1 16 0 <1 2 3 26 446	NEG NONE NONE NORML NORML NEG 0 41 0 1 6 6 6 155 484	

Submitted By: TECHNICIAN ACCOUNT

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION ATTENTION







Certificat To diss. Certificat To diss. Certificat To diss. Certificat

 Unique Number
 : 11129526
 Diagnosed
 : 20 Jul 2024 - Don Baldridge
 US

 Certificate L2367
 Test Package
 : FLEET
 Contact: TECHNICIAN ACC

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

 * - 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)

Received

Tested

: 18 Jul 2024

: 19 Jul 2024

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

Laboratory

Sample No.

Lab Number : 06240692

: GFL0128737

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