

Machine Id **2150** Component **Transfer Case** Fluid **GEAR OIL SAE 75W90 (--- GAL)**

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

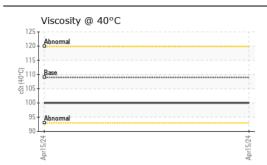
FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NL0002030		
Sample Date		Client Info		15 Apr 2024		
Machine Age	hrs	Client Info		1492		
Oil Age	hrs	Client Info		500		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Not Changd		
Sample Status				NORMAL		
Iron		ASTM D5185m	>500	61		
Chromium	ppm	ASTM D5185m	>500	0		
Nickel	ppm	ASTM D5185m	>0 >5	0 <1		
Titanium	ppm	ASTM D5185m	>0			
Silver	ppm	ASTM D5185m		<1 2		
0	ppm		. 45	_		
Aluminum	ppm	ASTM D5185m ASTM D5185m	>45 >150	2		
Lead	ppm			-		
Copper	ppm	ASTM D5185m	>100	2		
Tin Vanadium	ppm	ASTM D5185m	>5	<1		
White Metal	ppm	ASTM D5185m *Visual	NONE	0 NONE		
	scalar					
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>85	11		
Potassium	ppm	ASTM D5185m	>20	3		
Water			0.0			
ato:		WC Method	>0.2	NEG		
Silt	scalar	WC Method *Visual	>0.2	NEG NONE		
	scalar scalar					
Silt		*Visual	NONE	NONE		
Silt Debris	scalar	*Visual *Visual	NONE NONE	NONE		
Silt Debris Sand/Dirt	scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE		
Silt Debris Sand/Dirt Appearance	scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NORML	NONE NONE NONE NORML		
Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NONE NORML NORML	NONE NONE NORE NORML NORML NEG	 	
Silt 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 >0.2	NONE NONE NORML NORML NEG 11		
Silt 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 >0.2	NONE NONE NORML NORML NEG 11 308		
Silt 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 NORML NORML >0.2 400	NONE NONE NORML NORML NEG 11 308 0		
Silt 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 >0.2	NONE NONE NORML NORML NEG 11 308 0 0		
Silt 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 NORML NORML >0.2 400 200 12	NONE NONE NORML NORML NEG 11 308 0 0 2		
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum 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 >0.2 400 200 12	NONE NONE NORML NORML NEG 11 308 0 0 2 2 2		
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar 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 NORML NORML >0.2 400 200 12 12 12	NONE NONE NORML NORML NEG 11 308 0 0 2 2 2 2 9		
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar 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 NORML NORML >0.2 400 200 12 12 12 150 150	NONE NONE NORML NORML NEG 11 308 0 0 2 2 2 9 1508		
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium Phosphorus	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 NORME NORML >0.2 400 200 12 12 12 150 1650 125	NONE NONE NORML NORML NEG 11 308 0 0 2 2 2 9 1508 19		
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar 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 NORML NORML >0.2 400 200 12 12 12 150 150	NONE NONE NORML NORML NEG 11 308 0 0 2 2 2 9 1508		

Contact/Location: JOSH ROLAND - FOXMAN

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



Received

Diagnosed

Tested



FOX & JAMES NATIONALEASE - Manassas : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 24 Jun 2024 1145 INDUSTRIAL RD MANASSAS, VA : 25 Jun 2024 : 25 Jun 2024 - Wes Davis US 20109 Contact: JOSH ROLAND j.roland@foxandjames.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (571)379-5296 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: FOXMAN [WUSCAR] 06218641 (Generated: 06/25/2024 14:57:58) Rev: 1

Certificate L2367

Laboratory

Sample No.

Lab Number : 06218641

Unique Number : 11096838

Test Package : FLEET

: NL0002030

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

Contact/Location: JOSH ROLAND - FOXMAN Page 2 of 2