

## WEAR ABNORMAL CONTAMINATION ABNORMAL FLUID CONDITION NORMAL

## Machine Id **177** Component **Transmission (Manual)** Fluid **GEAR OIL SAE 90 (--- GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

		_	-	-
M	v		Л	D
V	v	∟.	m	п

The iron level is abnormal. All other component wear rates are normal.

## CONTAMINATION

Moderate concentration of visible dirt/debris present in the fluid.

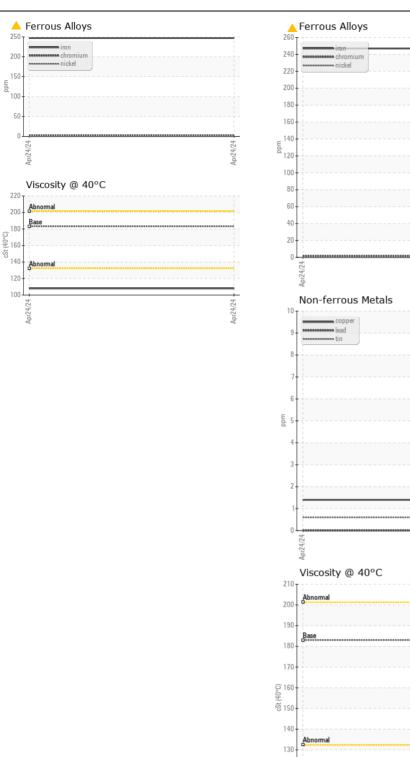
	CON	IDITION
LOID	CON	

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC06160833		
Sample Date		Client Info		24 Apr 2024		
Machine Age	mls	Client Info		132420		
Oil Age	mls	Client Info		0		
Filter Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status		ABNORMAL				
Iron			>200	<b>2</b> 47		
	ppm	ASTM D5185m				
Chromium	ppm	ASTM D5185m	>5	2		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	. 7	<1		
Silver	ppm	ASTM D5185m	>7	0		
Aluminum	ppm	ASTM D5185m	>25	4		
Lead	ppm	ASTM D5185m	>45	0		
Copper	ppm	ASTM D5185m	>225	1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m	NONE	0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>125	71		
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>125 >20	71 1		
Potassium		ASTM D5185m	>20	1		
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.1	1 NEG		
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.1 NONE	1 NEG NONE		
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE	1 NEG NONE MODER		  
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	1 NEG NONE MODER NONE		  
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	1 NEG NONE MODER NONE NORML	  	  
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NORML NORML	1 NEG NONE MODER NONE NORML NORML NEG	  	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	1 NEG NONE MODER NORML NORML NEG	  	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1	1 NEG NONE NORE NORML NORML NEG 7 175		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1	1 NEG NONE NONE NORML NORML NEG 7 175 138		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1	1 NEG NONE NONE NORML NORML NEG 7 175 138		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1 200 12	1 NEG NONE NORE NORML NORML NEG 7 175 138 0 11		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML >0.1 200 12	1 NEG NONE NONE NORML NORML NEG 7 175 138 0 11 2		
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.1</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.1</li> <li>200</li> <li>200</li> <li>12</li> <li>12</li> <li>150</li> </ul>	1 NEG NONE MODER NORML NORML NEG 7 175 138 0 11 2 20		
Potassium Water Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.1</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.1</li> <li>&gt;0.1</li> <li>200</li> <li>200</li> <li>12</li> <li>150</li> <li>1650</li> </ul>	1 NEG NONE NONE NORML NORML NEG 7 175 138 0 11 2 20 1455		
Potassium Water Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1 200 12 12 12 150 1650 125	1 NEG NONE NONE NORML NORML NEG 7 175 138 0 11 2 20 1455 18		
Potassium Water Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.1</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.1</li> <li>&gt;0.1</li> <li>200</li> <li>200</li> <li>12</li> <li>150</li> <li>1650</li> </ul>	1 NEG NONE NONE NORML NORML NEG 7 175 138 0 11 2 20 1455		

Report Id: LONGRETN [WUSCAR] 06160833 (Generated: 04/29/2024 11:37:51) Rev: 1

Contact/Location: LONNIE SONGER - LONGRETN



ndo

120 110 100 Apr24/24 Anr74/74 : WearCheck USA - 501 Madison Ave., Cary, NC 27513

LONNIE SONGER 1820 SHELTON MISSION RD GREENEVILLE, TN US 37743

Certificate L2367

Unique Number : 10996256 Diagnosed : 29 Apr 2024 - Don Baldridge Test Package : FLEET Contact: LONNIE SONGER 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)

Received

Tested

: 25 Apr 2024

: 29 Apr 2024

T:

F:

Laboratory

Sample No.

Lab Number : 06160833

: WC06160833

Contact/Location: LONNIE SONGER - LONGRETN Page 2 of 2