

#### Machine Id **TIMBERPRO TF830D Green Development (S/N 830D-0796-090722)** Component Gearbox Fluid

# GEAR OIL SAE 75W90 (--- GAL)

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm.

**WEAR** 

All component wear rates are normal.

#### CONTAMINATION

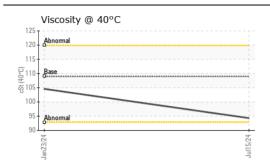
There is no indication of any contamination in the oil.

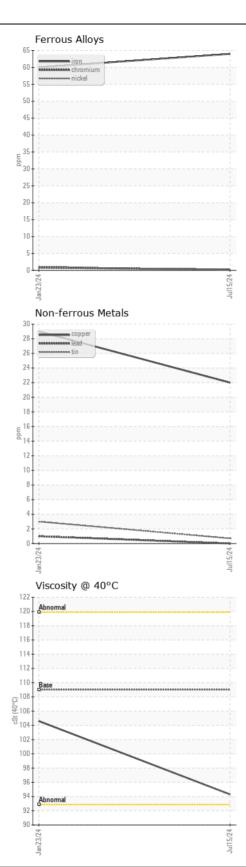
## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0897075	WC0614567	
Sample Date		Client Info		15 Jul 2024	23 Jan 2024	
Machine Age	hrs	Client Info		853	170	
Oil Age	hrs	Client Info		683	170	
Filter Age	hrs	Client Info		0	170	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		N/A	Changed	
Sample Status			NORMAL	NORMAL		
Iron	nom	ASTM D5185m	>200	64	60	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>10	0	1	
Titanium	ppm	ASTM D5185m	>10	0	<1	
Silver	ppm	ASTM D5185m		0	<1	
	ppm	ASTM D5185m	× 05	1		
Aluminum Lead	ppm	ASTM D5185m	>25 >50	0	3	
Copper	ppm	ASTM D5185m	>50	0 22	29	
••	ppm			22 <1		
Tin	ppm	ASTM D5185m	>10	<1	3	
Vanadium White Metal	ppm	ASTM D5185m		-	<1 NONE	
	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE		NONE	
<b>O</b>						
Silicon	ppm	ASTM D5185m	>50	3	5	
Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>50 >20	3 <1	5 2	
				-	-	
Potassium		ASTM D5185m	>20	<1	2	
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	<1 NEG	2 NEG	
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.2 NONE	<1 NEG NONE	2 NEG NONE	
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.2 NONE NONE	<1 NEG NONE NONE	2 NEG NONE NONE	
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE	<1 NEG NONE NONE NONE	2 NEG NONE NONE	   
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NONE NORML	<1 NEG NONE NONE NONE NORML	2 NEG NONE NONE NONE NORML	    
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.2 NONE NONE NORML NORML	<1 NEG NONE NONE NORML NORML NEG	2 NEG NONE 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 >0.2 NONE NONE NORML NORML >0.2	<1 NEG NONE NONE NORML NORML NEG 0	2 NEG NONE NONE NORML NORML NEG 0	   
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2	<1 NEG NONE NONE NORML NORML NEG 0 6	2 NEG NONE NONE NORML NORML NEG 0 2	
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 >0.2 NONE NONE NORML NORML >0.2	<1 NEG NONE NONE NORML NORML NEG 0 6 0	2 NEG NONE NONE NORML NORML NEG 0 2 1	   
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 >0.2 NONE NONE NORML >0.2	<1 NEG NONE NONE NORML NEG 0 6 0 <1	2 NEG NONE NONE NORML NEG 0 2 1 3	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.2 NONE NONE NORML >0.2 400 200 12	<1 NEG NONE NONE NORML NORML NEG 0 6 0 6 0 <1 <1	2 NEG NONE NONE NORML NORML NEG 0 2 1 3 3 3	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar 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	>20 >0.2 NONE NONE NORML NORML >0.2 400 200 12	<1 NEG NONE NONE NORML NORML NEG 0 6 0 4 1 <1 3	2 NEG NONE NONE NORML NORML NEG 0 2 1 3 3 3 11	
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	>20 >0.2 NONE NONE NORML NORML >0.2 400 200 12 12	<1 NEG NONE NONE NORML NORML NEG 0 6 0 6 0 <1 <1 <1 3 102	2 NEG NONE NONE NORML NORML NEG 0 2 1 3 3 3 11 24	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Malybdenum 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 ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>400</li> <li>200</li> <li>12</li> <li>12</li> <li>150</li> <li>1650</li> </ul>	<1 NEG NONE NONE NORML NORML NEG 0 6 0 6 0 4 1 <1 3 102 510	2 NEG NONE NONE NORML NORML NEG 0 2 1 3 3 3 11 24 24 710	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum 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 >0.2 NONE NONE NORML >0.2 400 200 12 12 12 150 1650 125	<1 NEG NONE NONE NORML NORML NEG 0 6 0 <1 <1 <1 3 102 510 52	2 NEG NONE NONE NORML NORML NEG 0 2 1 3 3 11 24 24 710 32	
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum 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 ASTM D5185m	<ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>400</li> <li>200</li> <li>12</li> <li>12</li> <li>150</li> <li>1650</li> </ul>	<1 NEG NONE NONE NORML NORML NEG 0 6 0 6 0 4 1 <1 3 102 510	2 NEG NONE NONE NORML NORML NEG 0 2 1 3 3 3 11 24 24 710	

Submitted By: Elise Bailey





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0897075 Received : 18 Jul 2024 Lab Number : 06240759 Tested : 19 Jul 2024 Unique Number : 11129593 Diagnosed : 19 Jul 2024 - Wes Davis Test Package : CONST Certificate L2367 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)

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