

#### Machine Id MTL 75BFMII 3251-02-06 Component

# Front Right Hub

GEAR OIL SAE 80W90 (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor.

#### 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		DC0026674	DC0026460	
Sample Date		Client Info		13 Mar 2024	08 Mar 2023	
Machine Age	yrs	Client Info		0	1251	
Oil Age	yrs	Client Info		1	51	
Filter Age	yrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
Iron		ACTM DE10Em	. 200	7	10	
Chromium	ppm	ASTM D5105III	>200	1	12	
Niekol	ppm	AGTM D5105III	>10	0	<1	
Titonium	ppm	ASTM D5185m	>10	0	0	
Silvor	ppm	AGTM D5105III		0	0	
Aluminum	ppm	AGTM D5195m		0	-1	
Load	ppm	ASTM D5185m		0	0	
Copper	ppm	ASTM D5185m		-1	3	
Tin	ppm	ASTM D5185m		0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	304141	v 150ai	NONL	····	NONE	
Silicon	ppm	ASTM D5185m		3	1	
Potassium	ppm	ASTM D5185m	>20	0	1	
Water			0.0			
		WC Method	>0.2	NEG	NEG	
Silt	scalar	WC Method *Visual	>0.2	NEG NONE	NEG NONE	
Silt Debris	scalar scalar	WC Method *Visual *Visual	>0.2 NONE NONE	NEG NONE NONE	NEG NONE NONE	
Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>0.2 NONE NONE NONE	NEG NONE NONE NONE	NEG NONE NONE NONE	 
Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML	NEG NONE NONE NONE NORML	NEG NONE NONE NONE NORML	  
Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML	NEG NONE NONE NORE NORML	NEG NONE NONE NORML NORML	  
Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML >0.2	NEG NONE NONE NORE NORML NEG	NEG NONE NONE NORML NORML NEG	     
Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML >0.2 >170 400	NEG NONE NONE NORML NORML NEG 1 27	NEG NONE NONE NORML NORML NEG 0 75	
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 ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2 >170 400 200	NEG NONE NONE NORML NORML NEG 1 27 0	NEG NONE NONE NORML NORML NEG 0 75 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>&gt;170</li> <li>400</li> <li>200</li> <li>12</li> </ul>	NEG NONE NONE NORML NORML NEG 1 27 0 0	NEG NONE NONE NORML NORML NEG 0 75 0	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>&gt;170</li> <li>400</li> <li>200</li> <li>12</li> </ul>	NEG NONE NONE NORML NORML NEG 1 27 0 0 0	NEG NONE NONE NORML NORML NEG 0 75 0 <1 <1	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML >0.2 >170 400 200 12	NEG NONE NONE NORML NORML NEG 1 27 0 0 2 1 27	NEG NONE NONE NORML NORML NEG 0 75 0 75 0 <1 <1 6	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	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	<ul> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>&gt;170</li> <li>400</li> <li>200</li> <li>12</li> <li>12</li> <li>150</li> </ul>	NEG NONE NONE NORML NORML NEG 1 27 0 0 <1 2 132	NEG NONE NONE NORML NORML NEG 0 75 0 21 <1 6 195	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>&gt;170</li> <li>400</li> <li>200</li> <li>12</li> <li>12</li> <li>150</li> <li>1650</li> </ul>	NEG NONE NONE NORML NORML NEG 1 27 0 0 <1 2 132 568	NEG NONE NONE NORML NORML NEG 0 75 0 <1 <1 <1 6 195 790	
Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;0.2</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>&gt;170</li> <li>400</li> <li>200</li> <li>12</li> <li>150</li> <li>125</li> </ul>	NEG NONE NONE NORML NORML 27 0 0 <1 27 0 0 <1 2 132 568 59	NEG NONE NONE NORML NORML NEG 0 75 0 <1 <1 6 195 790 103	

Visc @ 40°C

cSt

ASTM D445 143

Contact/Location: JOSH DIXON - CRAASHSP

119

117





**CRANEWORKS INC - SPECIAL PROJECTS** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : DC0026674 Received 11089 LEADBETTER ROAD : 12 Apr 2024 Lab Number : 06147792 Tested ASHLAND, VA : 15 Apr 2024 Diagnosed Unique Number : 10977870 : 16 Apr 2024 - Don Baldridge US 23005 Test Package : MOB 1 Contact: JOSH DIXON Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jdixon@vacraneworks.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Contact/Location: JOSH DIXON - CRAASHSP Page 2 of 2