

# WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

#### Machine Id CATERPILLAR 5 Component Hydraulic System Fluid CAT HYDO (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

### **WEAR**

All component wear rates are normal.

## CONTAMINATION

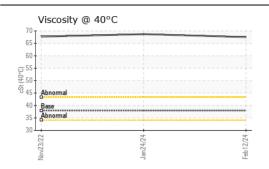
There is no indication of any contamination in the fluid.

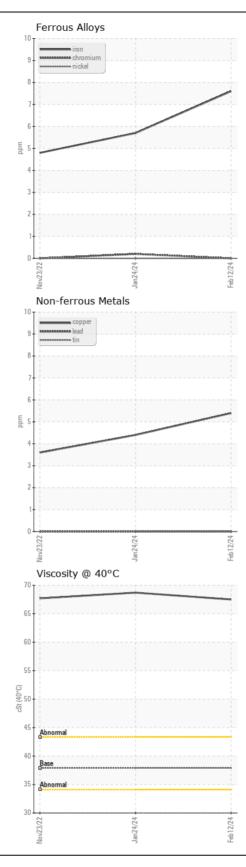
# FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0746094	WC0746095	WC0746175
Sample Date		Client Info		12 Feb 2024	24 Jan 2024	23 Nov 2022
Machine Age	hrs	Client Info		3000	2913	2579
Oil Age	hrs	Client Info		3000	2913	2579
Filter Age	hrs	Client Info		1000	1000	2579
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron			. 00	0	c	E
Iron Chromium	ppm	ASTM D5185m	>20 >10	8	6	5
	ppm	ASTM D5185m		0	<1	0
Nickel Titanium	ppm	ASTM D5185m ASTM D5185m	>10	0	0	0
Silver	ppm	ASTM D5185m			0	0
	ppm		. 10	0		
Aluminum	ppm	ASTM D5185m ASTM D5185m	>10	0	2	<1
Lead	ppm		>10	-	0	4
Copper Tin	ppm	ASTM D5185m ASTM D5185m	>75 >10	5 0	4	4
	ppm		>10	0	0	0
Vanadium White Metal	ppm scalar	ASTM D5185m *Visual	NONE	-	NONE	NONE
				NONE	-	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	1	<1	<1
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>20 >20	1 2	<1 1	<1 0
				-		
Potassium		ASTM D5185m	>20	2	1	0
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.1	2 NEG	1 NEG	0 NEG
Potassium Water Silt	ppm scalar	ASTM D5185m WC Method *Visual	>20 >0.1 NONE	2 NEG NONE	1 NEG NONE	0 NEG NONE
Potassium Water Silt Debris	ppm scalar scalar	ASTM D5185m WC Method *Visual *Visual	>20 >0.1 NONE NONE	2 NEG NONE NONE	1 NEG NONE NONE	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	2 NEG NONE NONE NONE	1 NEG NONE NONE NONE	0 NEG NONE NONE
Potassium Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NONE	2 NEG NONE NONE NONE NORML	1 NEG NONE NONE NONE NORML	0 NEG NONE NONE NONE NORML
Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm scalar scalar scalar scalar scalar	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>20 >0.1 NONE NONE NORML NORML	2 NEG NONE NONE NORE NORML	1 NEG NONE NONE NONE NORML	0 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 >0.1 NONE NONE NORML NORML	2 NEG NONE NONE NORML NORML NEG	1 NEG NONE NONE NORML NORML NEG	0 NEG NONE NONE NORML NORML NEG
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 NONE NONE NORML NORML	2 NEG NONE NONE NORML NORML NEG 0	1 NEG NONE NONE NORML NORML NEG 0	0 NEG NONE NONE NORML NORML NEG 2
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 >0.1 NONE NONE NORML NORML	2 NEG NONE NONE NORML NORML NEG 0 3	1 NEG NONE NONE NORML NORML NEG 0 3	0 NEG NONE NONE NORML NORML NEG 2 6
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	2 NEG NONE NONE NORML NORML NEG 0 3 0	1 NEG NONE NONE NORML NORML NEG 0 3 5	0 NEG NONE NONE NORML NORML NEG 2 6 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	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	>20 >0.1 NONE NONE NORML NORML	2 NEG NONE NONE NORML NORML NEG 0 3 0 3 0 2	1 NEG NONE NONE NORML NORML NEG 0 3 5 <1	0 NEG NONE NONE NORML NORML NEG 2 6 0 0
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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML NORML	2 NEG NONE NONE NORML NORML NEG 0 3 0 2 0 2	1 NEG NONE NONE NORML NORML NEG 0 3 5 <1 0	0 NEG NONE NONE NORML NORML NEG 2 6 0 1
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	ppm scalar 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	>20 >0.1 NONE NONE NORML NORML	2 NEG NONE NONE NORML NORML NEG 0 3 0 2 0 2 0 8	1 NEG NONE NONE NORML NORML NEG 0 3 5 <1 0 7	0 NEG NONE NONE NORML NORML NEG 2 6 0 1 0 1 0
Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron 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 ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 NONE NONE NORML >0.1	2 NEG NONE NONE NORML NORML NEG 0 3 0 2 0 2 0 8 103	1 NEG NONE NONE NORML NORML NEG 0 3 5 <1 0 7 83	0 NEG NONE NONE NORML NORML NEG 2 6 0 0 1 0 1 0 4 88
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	>20 >0.1 NONE NORML NORML >0.1	2 NEG NONE NONE NORML NORML NEG 0 3 0 2 0 3 0 2 0 8 103 335	1 NEG NONE NONE NORML NORML NEG 0 3 5 <1 0 3 5 <1 0 7 83 375	0 NEG NONE NONE NORML NORML NEG 2 6 0 0 1 0 4 88 88 398

Contact/Location: Service Manager - ASSBRA





ASSOCIATED GRAIN TERMINALS : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Feb 2024 Tested : 23 Feb 2024 Diagnosed : 25 Feb 2024 - Don Baldridge

13723 HWY 15 BRAITHWAITE, LA US 70040 Contact: Service Manager

Test Package : FLEET Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Lab Number : 06098049

Unique Number : 10896279

Laboratory

Sample No.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: WC0746094

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: Service Manager - ASSBRA