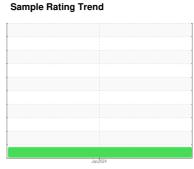


# **OIL ANALYSIS REPORT**



ISO



CR-6609 Component **Hydraulic System** 

ATF (--- GAL)

# ▲ Recommendation

The filter change at the time of sampling has been noted. 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 a light amount of silt (particulates < 14 microns in size) present in the oil.

# **Fluid Condition**

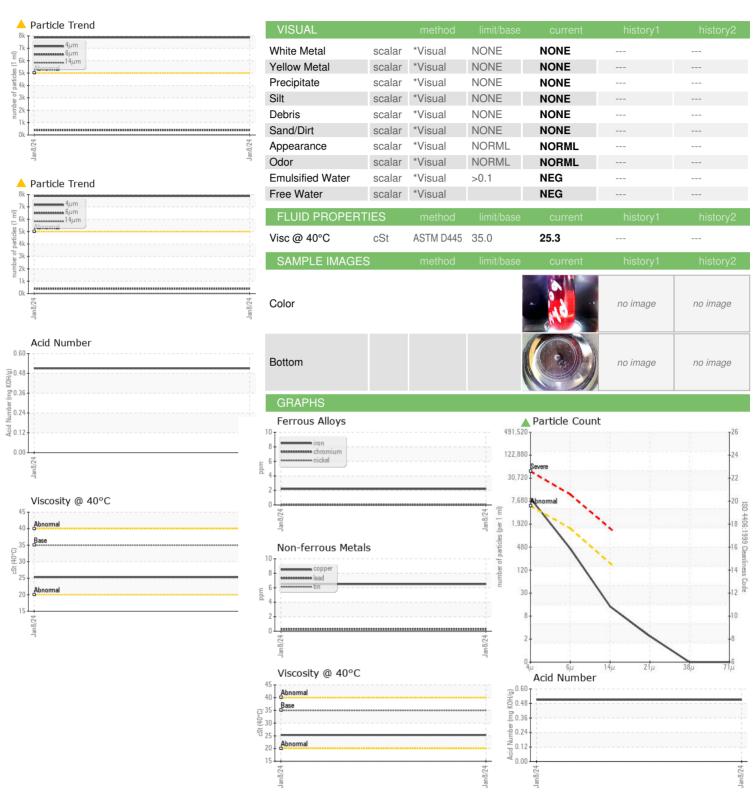
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0873369		
Sample Date		Client Info		08 Jan 2024		
Machine Age	hrs	Client Info		17421		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	2		
Chromium	ppm		>10	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m	- 10	<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m		6		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
		AO HVI DO TOOTII		U		
A D D ITI\ (E 0	ррпп		1			
ADDITIVES	ppiii	method	limit/base	current	history1	history2
Boron	ppm	method ASTM D5185m	limit/base	current 58		history2
Boron Barium		method ASTM D5185m ASTM D5185m	limit/base	current 58 0	history1	,
Boron Barium Molybdenum	ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 58 0 4	history1	
Boron Barium Molybdenum Manganese	ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	58 0 4 0	history1	
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 58 0 4 0 11	history1	
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	method  ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 58 0 4 0 11 102	history1   	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current 58 0 4 0 11 102 221	history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current  58  0  4  0  11  102  221  94	history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current 58 0 4 0 11 102 221	history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current  58  0  4  0  11  102  221  94	history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m		current  58  0  4  0  11  102  221  94  785	history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base	current  58  0  4  0  11  102  221  94  785  current	history1	     history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >20	current  58  0  4  0  11  102  221  94  785  current	history1 history1	     history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >20	current  58  0  4  0  11  102  221  94  785  current  1  3	history1 history1	     history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m	limit/base >20 >20	current  58  0  4  0  11  102  221  94  785  current  1  3  0	history1 history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method	limit/base >20 >20 limit/base	current  58  0  4  0  11  102  221  94  785  current  1  3  0  current	history1 history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method ASTM D5185m ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000	current  58  0  4  0  11  102  221  94  785  current  1  3  0  current  1  7869	history1 history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method ASTM D5185m	limit/base >20 >20 limit/base >5000 >1300	current  58 0 4 0 11 102 221 94 785 current 1 3 0 current  1 7869 387	history1 history1 history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160	current  58  0  4  0  11  102  221  94  785  current  1  3  0  current  ▲ 7869  387  12	history1 history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160 >40	current  58  0  4  0  11  102  221  94  785  current  1  3  0  current  ▲ 7869  387  12  2	history1 history1 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur  CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm Particles >21µm Particles >38µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method  ASTM D5185m  method ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 limit/base >5000 >1300 >160 >40 >10	current  58  0  4  0  11  102  221  94  785  current  1  3  0  current  ▲ 7869  387  12  2  0	history1 history1 history1	history2 history2

Acid Number (AN)



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 06073824 : 10855915 Test Package : CONST

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0873369 : 30 Jan 2024 Recieved Diagnosed

: 31 Jan 2024 : Wes Davis Diagnostician

US 27253-9215 Contact: MICHAEL LAWSON michaell@bucknercompanies.com

T: (336)376-8888

**BUCKNER HEAVY LIFT** 

4732 NC 54 EAST

GRAHAM, NC

\* - 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)

F: (336)376-4090 Contact/Location: MICHAEL LAWSON - BUCGRA