



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**CR4401**  
Component  
**Hydraulic System**  
Fluid  
**DEXRON III (--- GAL)**

## RECOMMENDATION

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.  
Please specify the component make and model with your next sample.

## WEAR

All component wear rates are normal.

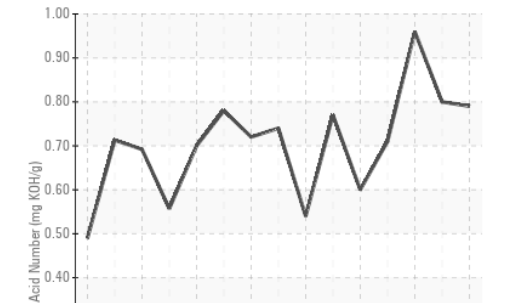
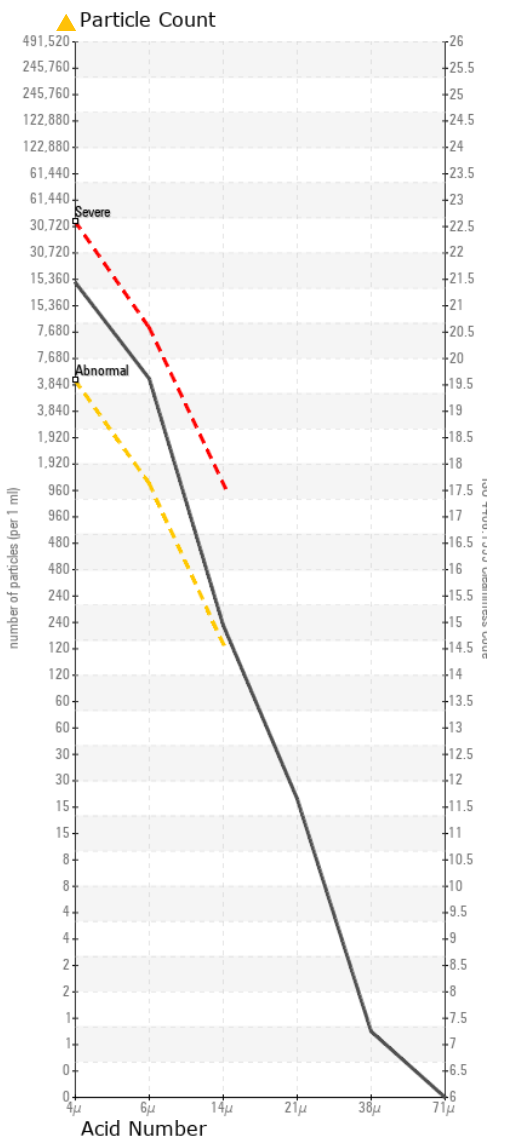
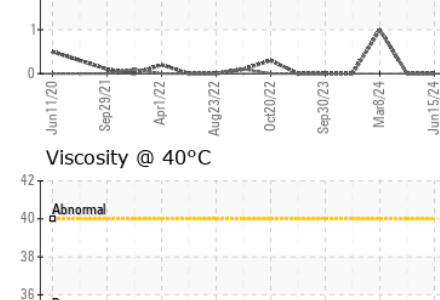
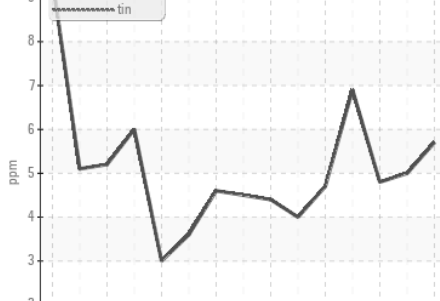
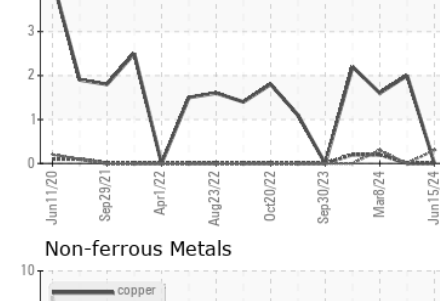
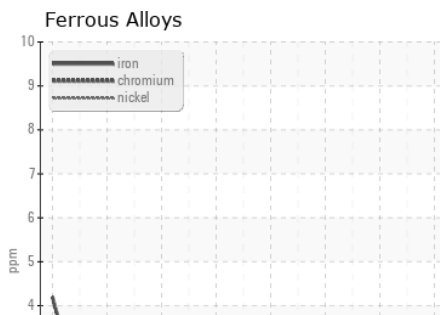
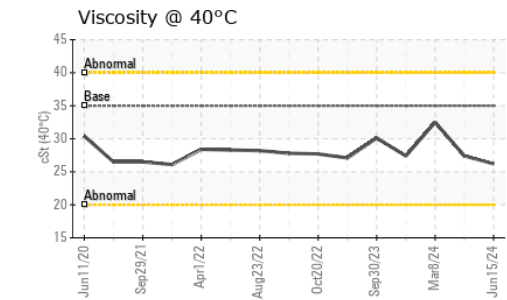
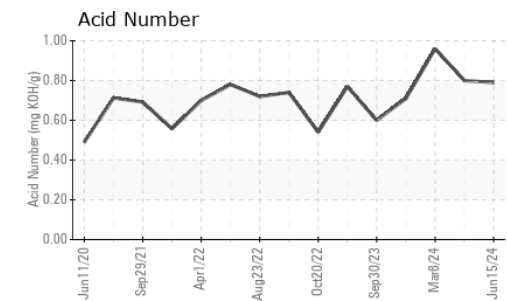
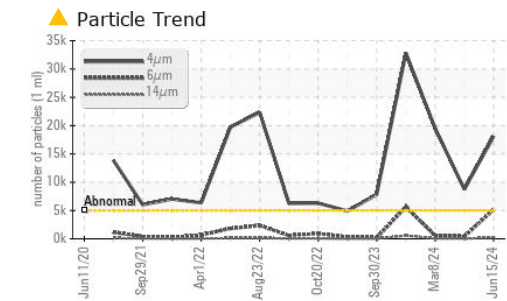
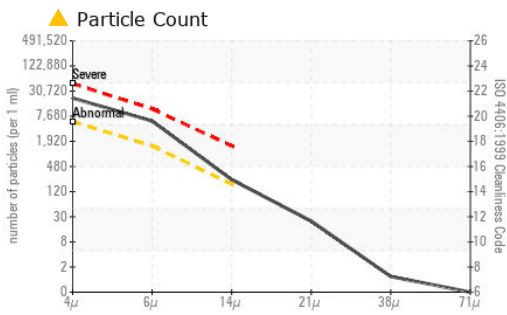
## CONTAMINATION

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0952112</b>	WC0893027	WC0893022
Sample Date		Client Info		<b>15 Jun 2024</b>	11 Mar 2024	08 Mar 2024
Machine Age	hrs	Client Info		<b>14668</b>	14196	14194
Oil Age	hrs	Client Info		<b>0</b>	572	24
Filter Age	hrs	Client Info		<b>1000</b>	572	24
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Sample Status				<b>ABNORMAL</b>	ATTENTION	ABNORMAL
Iron	ppm	ASTM D5185m	>20	<b>0</b>	2	2
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	3
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	1
Copper	ppm	ASTM D5185m	>75	<b>6</b>	5	5
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	<b>2</b>	2	3
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 18088</b>	● 8739	▲ 19523
Particles >6µm		ASTM D7647	>1300	<b>▲ 5130</b>	397	590
Particles >14µm		ASTM D7647	>160	<b>● 204</b>	21	48
Particles >21µm		ASTM D7647	>40	<b>21</b>	6	14
Particles >38µm		ASTM D7647	>10	<b>1</b>	1	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 21/20/15</b>	● 20/16/12	▲ 21/16/13
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>6</b>	3	0
Boron	ppm	ASTM D5185m		<b>76</b>	78	0
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	96
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>2</b>	0	4
Calcium	ppm	ASTM D5185m		<b>103</b>	95	32
Phosphorus	ppm	ASTM D5185m		<b>251</b>	223	386
Zinc	ppm	ASTM D5185m		<b>69</b>	56	379
Sulfur	ppm	ASTM D5185m		<b>996</b>	903	1753
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.79</b>	0.80	0.96
Visc @ 40°C	cSt	ASTM D445	35.0	<b>26.2</b>	27.4	32.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0952112  
**Lab Number** : 06215748  
**Unique Number** : 11088612  
**Test Package** : CONST

**Received** : 20 Jun 2024  
**Tested** : 21 Jun 2024  
**Diagnosed** : 21 Jun 2024 - Wes Davis

**BUCKNER HEAVY LIFT**  
 4732 NC 54 EAST  
 GRAHAM, NC  
 US 27253-9215

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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)