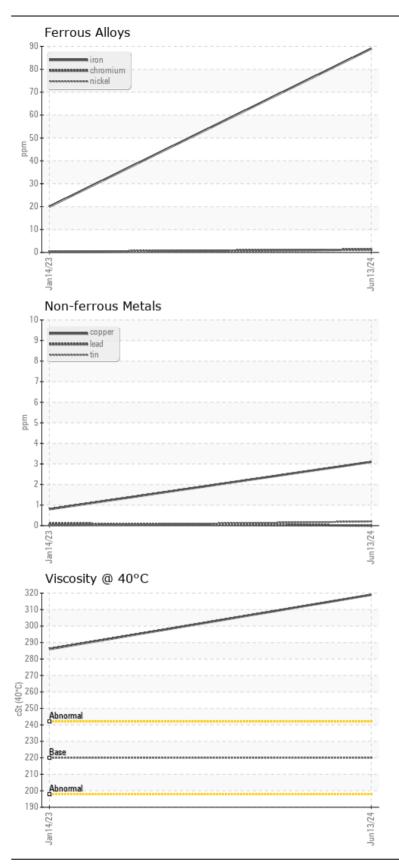
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

Machine Id

CR3312
Component
Rear Winch

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at	Sample Number		Client Info		WC0935908	WC0751862	
the next service interval to monitor.	Sample Date		Client Info		13 Jun 2024	14 Jan 2023	
	Machine Age	hrs	Client Info		11130	8553	
	Oil Age	hrs	Client Info		1000	1000	
	Filter Age	hrs	Client Info		0	1000	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	ATTENTION	
VEAR	Iron	ppm	ASTM D5185m	>150	89	20	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	1	<1	
	Nickel	ppm	ASTM D5185m	>10	1	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>5	4	0	
	Lead	ppm	ASTM D5185m	>15	0	<1	
	Copper	ppm	ASTM D5185m	>80	3	<1	
	Tin	ppm	ASTM D5185m		<1	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	15	3	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	14	2	
	Water		WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		10	0	
The oil viscosity is higher than normal.	Boron	ppm	ASTM D5185m	50	25	100	
	Barium	ppm	ASTM D5185m	15	5	0	
	Molybdenum	ppm	ASTM D5185m	15	0	1	
	Manganese	ppm	ASTM D5185m		2	<1	
	Magnesium	ppm	ASTM D5185m	50	6	9	
	Calcium	ppm	ASTM D5185m	50	151	71	
	Phosphorus	ppm	ASTM D5185m	350	506	635	
	Zinc	ppm	ASTM D5185m	100	45	40	
	Sulfur	ppm	ASTM D5185m	12500	9204	15267	





Certificate L2367

Laboratory Sample No.

: WC0935908 Lab Number : 06212656 Unique Number: 11085520

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

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jun 2024 **Tested** : 19 Jun 2024

Diagnosed : 19 Jun 2024 - Angela Borella **BUCKNER HEAVY LIFT** 

4732 NC 54 EAST GRAHAM, NC US 27253-9215

F: (336)376-4090

Contact: MICHAEL LAWSON

michaell@bucknercompanies.com T: (336)376-8888

\* - 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)