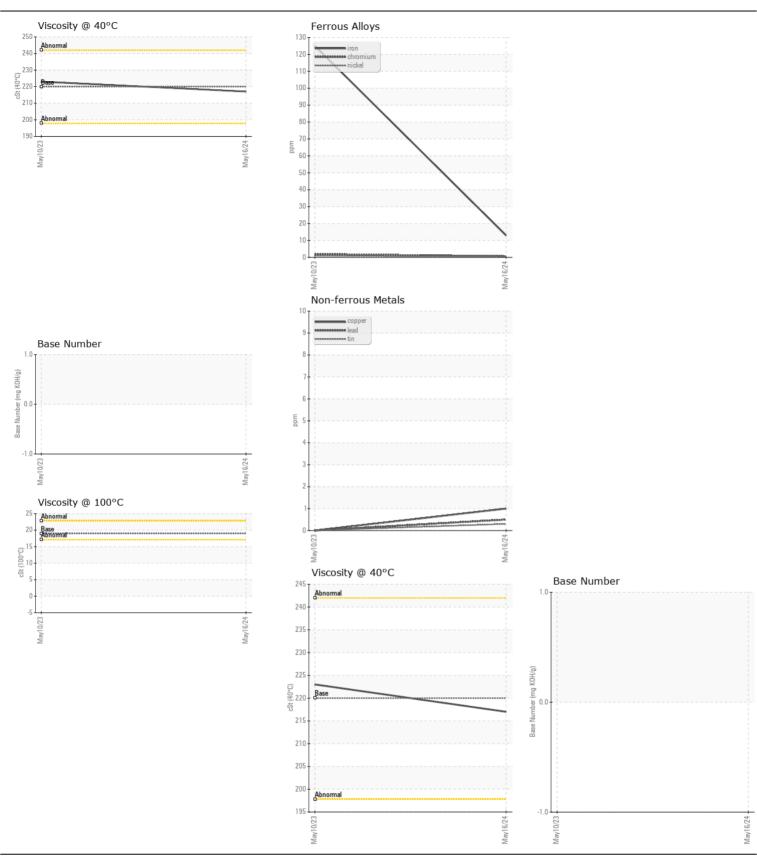
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

CASE 15499 CR1202 (S/N 98205) 2 Winch

GEAR OIL ISO 220 (--- GAL)

MEAN OIL 100 220 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0935979	WC0809388	
	Sample Date		Client Info		16 May 2024	10 May 2023	
	Machine Age	hrs	Client Info		11866	11257	
	Oil Age	hrs	Client Info		1000	1410	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Changed	
	Filter Changed		Client Info		N/A	Changed	
	Sample Status				NORMAL	NORMAL	
WEAD							
WEAR	Iron	ppm	ASTM D5185m		13	125	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	2	
	Nickel	ppm	ASTM D5185m	>10	<1	1	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m		1	0	
	Aluminum	ppm	ASTM D5185m		<1	1	
	Lead	ppm	ASTM D5185m	>15	<1	0	
	Copper	ppm	ASTM D5185m	>80	1	0	
	Tin	ppm	ASTM D5185m		<1	0	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	1	<1	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		- <1	3	
	Water	ρρ	WC Method		NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	MODER	
	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		*Visual	>0.2	NEG	0.2%	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	1	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	50	4	0	
	Barium	ppm	ASTM D5185m	15	0	0	
	Molybdenum	ppm	ASTM D5185m	15	<1	0	
	Manganese	ppm	ASTM D5185m		<1	1	
	Magnesium	ppm	ASTM D5185m	50	<1	1	
	0.1.	ppm	ASTM D5185m	50	6	26	
	Calcium						
	Phosphorus	ppm	ASTM D5185m	350	284	66	
			ASTM D5185m ASTM D5185m		284 7	66 19	
	Phosphorus	ppm		100			
	Phosphorus Zinc	ppm	ASTM D5185m	100 12500	7	19	







Certificate L2367

Report Id: BUCGRA [WUSCAR] 06193116 (Generated: 05/30/2024 20:28:30) Rev: 1

Laboratory

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0935979 Lab Number : 06193116

Unique Number : 11049868

Received Tested Diagnosed

: 28 May 2024 : 30 May 2024

: 30 May 2024 - Sean Felton

BUCKNER HEAVY LIFT 4732 NC 54 EAST GRAHAM, NC US 27253-9215 Contact: MICHAEL LAWSON

Test Package : CONST (Additional Tests: FT-IR, KV100, TBN) 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.

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

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

Contact/Location: MICHAEL LAWSON - BUCGRA

F: (336)376-4090