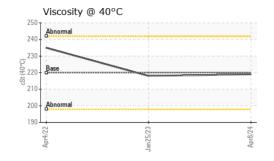
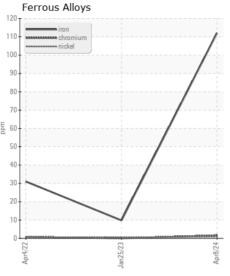
WEAR CONTAMINATION **FLUID CONDITION**

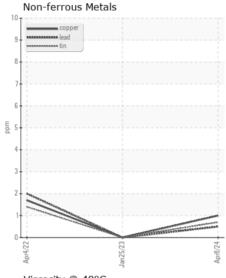
NORMAL NORMAL NORMAL

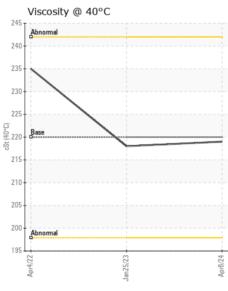
Machine Id **HC2220** 2 Winch

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number	OOW	Client Info	LITTIONOT	WC0823389	WC0746552	WC067151
	Sample Date		Client Info		08 Apr 2024	25 Jan 2023	04 Apr 202
	Machine Age	hrs	Client Info		3010	1235	677
	Oil Age	hrs	Client Info		1000	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		N/A	Changed	Changed
	Sample Status				NORMAL	NORMAL	SEVERE
WEAR	Iron	ppm	ASTM D5185m	>150	112	10	31
	Chromium	ppm	ASTM D5185m		2	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		- <1	<1	<1
	Titanium	ppm	ASTM D5185m	,	<1	0	0
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m	>5	3	0	<1
	Lead	ppm	ASTM D5185m		<1	0	2
	Copper	ppm	ASTM D5185m	>80	1	0	2
	Tin	ppm	ASTM D5185m		<1	0	1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	MODE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	\25	9	1	2
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2	2	8
	Water	pp	WC Method		- NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	MODER	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	▲ 0.2%
FLUID CONDITION	Sodium	ppm	ASTM D5185m		4	<1	6
	Boron	ppm	ASTM D5185m	50	0	0	15
The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		1	0	<1
	Molybdenum	ppm	ASTM D5185m	15	<1	0	<1
	Manganese	ppm	ASTM D5185m		4	<1	2
	Magnesium	ppm	ASTM D5185m	50	2	<1	11
	Calcium	ppm	ASTM D5185m	50	15	5	15
	Phosphorus	ppm	ASTM D5185m	350	350	269	73
	Zinc	ppm	ASTM D5185m	100	23	13	28
	Sulfur	ppm	ASTM D5185m	12500	3538	4292	2232
			ASTM D445			218	235











Certificate L2367

Laboratory Sample No.

: WC0823389 Lab Number : 06149122 Unique Number : 10979200 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024 **Tested** : 16 Apr 2024

Diagnosed : 17 Apr 2024 - Sean Felton **BUCKNER HEAVY LIFT** 4732 NC 54 EAST

GRAHAM, NC US 27253-9215

Contact: MICHAEL LAWSON michaell@bucknercompanies.com

T: (336)376-8888 F: (336)376-4090

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)