WEAR CONTAMINATION FLUID CONDITION

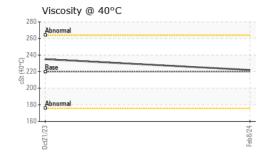
NORMAL NORMAL

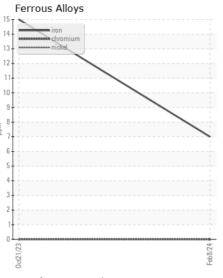
Machine Id

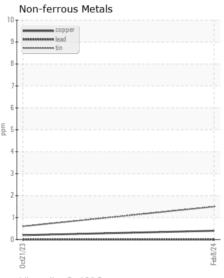
LIEBHERR LTR1100 HC 1110 (S/N 97351)

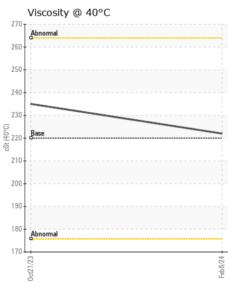
Component Swing Drive

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the	Sample Number		Client Info		WC0873525	WC0833280	
brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		08 Feb 2024	21 Oct 2023	
	Machine Age	hrs	Client Info		11988	11669	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
MEAD			AOTM DEADE	400		45	
WEAR	Iron	ppm	ASTM D5185m		7	15	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	0	
	Nickel	ppm	ASTM D5185m	>10	0	0	
	Titanium Silver	ppm	ASTM D5185m ASTM D5185m		<1	0	
	Aluminum	ppm	ASTM D5185m	- 25	0	<1	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		<1	<1	
	Tin	ppm	ASTM D5185m		2	<1	
	Vanadium	ppm	ASTM D5185m	>10	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
			Vioudi				
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	1	1	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	4	
	Water		WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	LIGHT	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	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	1	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	50	6	<1	
	Barium	ppm	ASTM D5185m	15	0	1	
	Molybdenum	ppm	ASTM D5185m	15	0	0	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m	50	0	<1	
	Calcium	ppm	ASTM D5185m	50	0	2	
	Phosphorus	ppm	ASTM D5185m	350	377	64	
	Zinc	ppm	ASTM D5185m	100	10	4	
	Sulfur	ppm	ASTM D5185m	12500	5214	4358	











Certificate L2367

Laboratory Sample No.

: WC0873525 **Lab Number** : 06086773 Unique Number : 10874218 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Feb 2024 : 13 Feb 2024 **Tested** Diagnosed

: 13 Feb 2024 - Wes Davis

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

Contact: MICHAEL LAWSON

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

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)

F: (336)376-4090