WEAR
CONTAMINATION
FLUID CONDITION

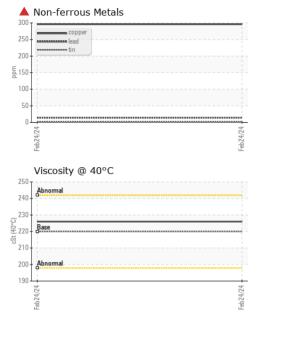
SEVERE NORMAL NORMAL

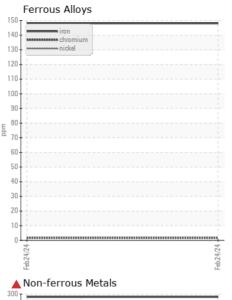
Machine Id

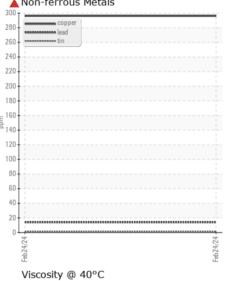
LIEBHERR LR 1600/2 CR 6606 - OUTER (S/N 074 509)

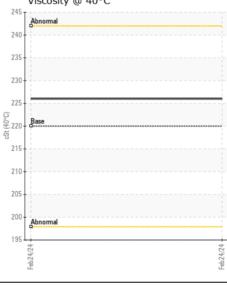
Front Left Track Drive

Test Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	hrs hrs hrs ppm ppm	Method Client Info ASTM D5185m ASTM D5185m	Limit/Abn	Current WC0873378 24 Feb 2024 17237 0 Changed Not Changd SEVERE	History1	History2
Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver	hrs hrs	Client Info Client Info Client Info Client Info Client Info Client Info	>1000	24 Feb 2024 17237 0 0 Changed Not Changd	 	
Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver	hrs hrs	Client Info Client Info Client Info Client Info Client Info	>1000	17237 0 0 Changed Not Changd	 	
Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver	hrs hrs	Client Info Client Info Client Info Client Info	>1000	0 0 Changed Not Changd	 	
Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver	ppm ppm	Client Info Client Info Client Info	>1000	0 Changed Not Changd		
Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver	ppm	Client Info Client Info ASTM D5185m	>1000	Changed Not Changd		
Filter Changed Sample Status Iron Chromium Nickel Titanium Silver	ppm	Client Info ASTM D5185m	>1000	Not Changd		
Iron Chromium Nickel Titanium Silver	ppm	ASTM D5185m	>1000	-		
Iron Chromium Nickel Titanium Silver	ppm		>1000	SEVERE		
Chromium Nickel Titanium Silver	ppm		>1000			
Chromium Nickel Titanium Silver	ppm		>1000	148		
Nickel Titanium Silver		ASTIVI DSTOSIII	×30	2		
Titanium Silver	ррпп	ASTM D5185m		1		
Silver	nnm	ASTM D5185m	>1	ا <1		
	ppm	ASTM D5185m		0		
		ASTM D5185m	× 25	1		
Lead	ppm	ASTM D5185m		14		
Copper	ppm	ASTM D5185m		▲ 296		
Tin		ASTM D5185m		1		
Vanadium	ppm	ASTM D5185m	>0	<1		
			NONE			
Tellow Metal	Scalai	visuai	INOINL	HONE		
Silicon	ppm	ASTM D5185m	>150	9		
Potassium	ppm	ASTM D5185m	>20	1		
Water		WC Method	>0.2	NEG		
Silt	scalar	*Visual	NONE	LIGHT		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Sodium	nnm	ASTM D5185m		1		
			50			
Barium						
Molybdenum		ASTM D5185m	15	5		
•		ASTM D5185m				
Magnesium	ppm		50	1		
Calcium		ASTM D5185m	50	10		
Phosphorus	ppm			1016		
Zinc	ppm			212		
Sulfur	ppm					
		ASTM D5185m	12500	22924		
_	Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Yellow Metal scalar Silicon ppm Potassium ppm Water Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm Zinc ppm	Yellow Metalscalar*VisualSiliconppmASTM D5185mPotassiumppmASTM D5185mWaterWC MethodSiltscalar*VisualDebrisscalar*VisualSand/Dirtscalar*VisualAppearancescalar*VisualOdorscalar*VisualEmulsified Waterscalar*VisualSodiumppmASTM D5185mBoronppmASTM D5185mBariumppmASTM D5185mManganeseppmASTM D5185mMagnesiumppmASTM D5185mCalciumppmASTM D5185mPhosphorusppmASTM D5185mZincppmASTM D5185m	Yellow Metalscalar*VisualNONESiliconppmASTM D5185m>150PotassiumppmASTM D5185m>20WaterWC Method>0.2Siltscalar*VisualNONEDebrisscalar*VisualNONESand/Dirtscalar*VisualNONEAppearancescalar*VisualNORMLOdorscalar*VisualNORMLEmulsified Waterscalar*Visual>0.2SodiumppmASTM D5185mBoronppmASTM D5185m50BariumppmASTM D5185m15MolybdenumppmASTM D5185m15ManganeseppmASTM D5185m50CalciumppmASTM D5185m50PhosphorusppmASTM D5185m50	Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >150 9 Potassium ppm ASTM D5185m >20 1 Water WC Method >0.2 NEG Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG Sodium ppm ASTM D5185m 50 101 Barium ppm ASTM D5185m 50 101 Manganese ppm ASTM D5185m 50 1 Magnesium ppm ASTM D5185m 50 10 Phosphorus ppm ASTM D5185m 350 1016	Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >150 9 Potassium ppm ASTM D5185m >20 1 Water WC Method >0.2 NEG Silt scalar *Visual NONE LIGHT Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NORML NORML Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual >0.2 NEG Sodium ppm ASTM D5185m 1 Boron ppm ASTM D5185m 15 1 Molybdenum ppm ASTM D5185m 15 5 Magnesium ppm </td











Certificate L2367

Laboratory Sample No.

Lab Number : 06103864 Unique Number : 10902094 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : WC0873378 : 28 Feb 2024 **Tested** : 29 Feb 2024

: 01 Mar 2024 - Don Baldridge Diagnosed

US 27253-9215 Contact: MICHAEL LAWSON michaell@bucknercompanies.com

BUCKNER HEAVY LIFT

4732 NC 54 EAST

GRAHAM, NC

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)