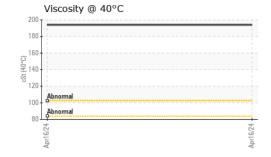
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

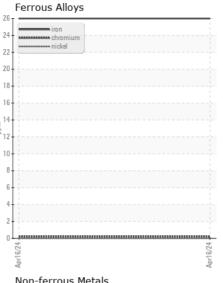
Machine Id

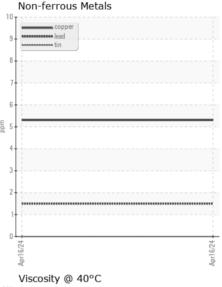
141446

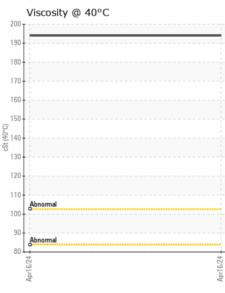
**Distribution Gear** 

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LM0000961		
	Sample Date		Client Info		16 Apr 2024		
	Machine Age	hrs	Client Info		7672		
	Oil Age	hrs	Client Info		500		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Luciu.		AOTA DEADE	000			
VEAR	Iron	ppm	ASTM D5185m		26		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	. 5	<1		
	Aluminum Lead	ppm	ASTM D5185m ASTM D5185m		<1 2		
		ppm	ASTM D5185m				
	Copper Tin	ppm	ASTM D5185m		5 0		
	Vanadium	ppm	ASTM D5185m	>0	0		
	White Metal	scalar	*Visual	NONE	NONE		
			*Visual	NONE	NONE		
<u></u>	Yellow Metal	scalar	visuai	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	2		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	1		
	Water		WC Method	>0.2	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	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		
LUID CONDITION	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		7		
The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		<1		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		7		
	Calcium	ppm	ASTM D5185m		55		
	Phosphorus	ppm	ASTM D5185m		607		
	Zinc	ppm	ASTM D5185m		35		
	Sulfur	ppm	ASTM D5185m		17660		











Certificate L2367

Laboratory Sample No.

: LM0000961 Lab Number : 06189829 Unique Number : 11046581 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 **Tested** : 30 May 2024

Diagnosed : 30 May 2024 - Jonathan Hester

**LIEBHERR USA CO - Maritime Cranes** 15101 NW 112TH AVE HIALEAH GARDENS, FL US 33018

Contact: RONNY FUNK ronny.funk@liebherr.com T: (305)817-7566

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)

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