# LIEBHERR





### [KELLER] 115479 - Crowd Winch Drive

Sample No: LH0286517
Oil Type: {unknown}

SAN	IPLE INFO	ORMATION		
Sample Number		LH0286517	 	
Sample Date		14 Mar 2024	 	
Machine Hours		493	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL	ONDITIO	ON		
Visc @ 40°C	cSt	232	 	
CON	TAMINA	ATION		
Water	%	NEG	 	
Silicon	ppm	3	 	
Sodium	ppm	<b>1</b>	 	
Potassium	ppm	<b>()</b> <1	 	
	IR META	LS	 	
<b>WEA</b>	AR META			
ron Copper	ppm ppm	LS	 	
wea	AR META	<b>LS</b> <ul> <li>○ 32</li> <li>&lt;1</li> </ul>	 	
ron Copper Lead	ppm ppm ppm	<b>LS</b>	 	
ron Copper Lead Fin Aluminum	ppm ppm ppm ppm ppm	32 <1 0 0	 	
ron Copper Lead Fin Aluminum Chromium	ppm ppm ppm ppm ppm ppm	\$\int 32  <1  0  0  <1	 	
ron Copper Lead Tin Aluminum Chromium Molybdenum	ppm ppm ppm ppm ppm ppm ppm ppm	0 32 <1 0 0 <1	 	
ron Copper Lead Tin Aluminum Chromium Molybdenum Nickel	ppm ppm ppm ppm ppm ppm	0 32 <1 0 0 <1 0 <1 0 <1 0	 	
ron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium	ppm	0 32 <1 0 0 <1 0 <1 0 <1 0 0 0 <1 0 0 <1 0 0 0 0		
ron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver	ppm ppm ppm ppm ppm ppm ppm ppm ppm	0 32 <1 0 0 <1 0 <1 0 0 0 0 0 0 0 0 0 0 0 0		
ron Copper Lead Fin Aluminum Chromium Molybdenum Nickel Fitanium Silver Manganese	ppm	32 <1 0 0 <1 0<1 0 0 0 0 0 0 0 0 0 0 0 0 0		
ron Copper Lead Fin Aluminum Chromium Molybdenum Nickel Fitanium Silver Manganese Vanadium	ppm	32 <1 0 0 <1 0<1 0 0 0 0 0 0 0 0 0 0 0 0 0		
ron Copper Lead Fin Aluminum Chromium Molybdenum Nickel Fitanium Silver Manganese Vanadium ADD	ppm	32 <1 0 0 <1 0<1 0 0 0 0 0 0 0 0 0 0 0 0 0		
ron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Fitanium Silver Manganese Vanadium  Calcium	ppm	32 <1 0 0 <1 0< 1 0 0 0 <1 0 0 0 0 0 0 0 0		
Iron Copper Lead Tin Aluminum Chromium Molybdenum Nickel Titanium Silver Manganese Vanadium	ppm	32 <1 0 0 0 <1 0		

#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8

Contact: Steve Lehto

steve.lehto@liebherr.com

T: (905)319-9222 F: (905)319-6617

#### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:LIEMISUnique No:5747558Signed:Kevin MarsonReport Date:17 Mar 2024

Contact/Location: Steve Lehto - LIEMIS

<1

24

ppm

ppm

Barium

Boron

## LIEBHERR

CONSTRUCTION EQUIPMENT





#### **GRAPHS**

