WEAR CONTAMINATION FLUID CONDITION

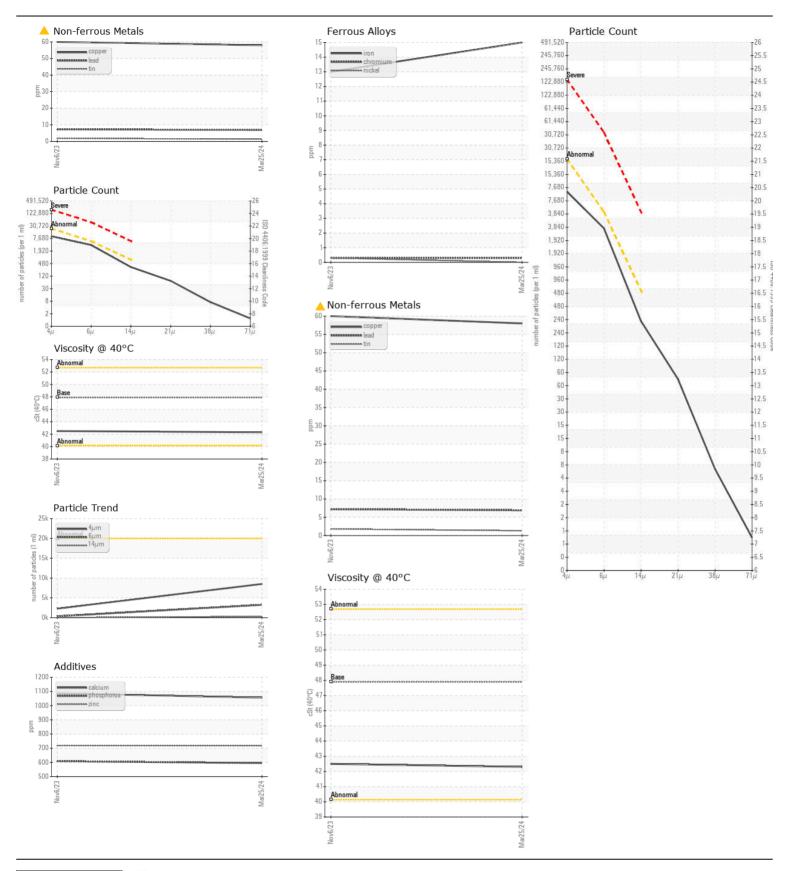
ABNORMAL NORMAL NORMAL



## **LIEBHERR R922 54275**

Component Hydraulic System

Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.  Sample Number Client Info 25 Mar 2024 06 N Sample Date Client Info 2608 208 Oil Age hrs Client Info 0 0 0 Filter Age hrs Client Info 0 0 0 Oil Changed Client Info Not Changd Not Filter Changed Client Info Not Changd Not Sample Status ABNORMAL AB	0242085 Nov 2023 30 Changd	History2
Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.  Sample Date  Client Info  25 Mar 2024  06 N  Machine Age  Noil Age  Noil Age  Noil Age  Noil Changed  Filter Changed  Filter Changed  Sample Status  Client Info  O  Not Changed  Noil Age  Noil Changed  Filter Changed  Sample Status  ABNORMAL  ABNORMAL	Nov 2023 30 Changd	
Machine Age hrs Client Info 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	30 Changd	
Oil Age hrs Client Info 0 0 0 Filter Age hrs Client Info 0 0 0 Oil Changed Client Info Not Changd Not Filter Changed Client Info N/A N/A Sample Status ABNORMAL ABN	Changd	
Filter Age       hrs       Client Info       0       0         Oil Changed       Client Info       Not Changd       Not         Filter Changed       Client Info       N/A       N/A         Sample Status       ABNORMAL       ABNORMAL	Changd	
Oil Changed Client Info Not Changd Not Filter Changed Client Info N/A N/A Sample Status ABNORMAL ABN	-	
Filter Changed     Client Info     N/A     N/A       Sample Status     ABNORMAL     ABNORMAL	-	
Sample Status ABNORMAL ABN		
	NORMAL	
	13	
Connect and lead appropriate are appropriate and/or hypering and/or hypering.	<1	
Copper and lead ppm levels are abnormal. Bearing and/or bushing wear is indicated.  Nickel ppm ASTM D5185(m) >5 0	<1	
Titanium ppm ASTM D5185(m) 0	0	
11 (7	<1	
	<1	
Copper         ppm         ASTM D5185(m)         >15         ▲ 58         ▲ 6		
	2	
	0	
	NONE	
Yellow Metal scalar Visual* NONE NONE NONE	NONE	
CONTAMINATION Silicon ppm ASTM D5185(m) >25 5	7	
	0	
The system cleanliness is acceptable for your target ISO 4406  Water WC Method 50.1 NEG	NEG	
cleanliness code. The system and fluid cleanliness is acceptable.	2282	
NOTE. All increase in the particle count is noted.	353	
	23	
	6	
' '	1	
	0	
· · · · · · · · · · · · · · · · · · ·	18/16/12	
	NONE	
	NONE	
	NONE	
	NORML	
	NORML	
	NEG	
Liliusilled Water Scalar Visual 20.1 NEG		
	4	
FLUID CONDITION Sodium ppm ASTM D5185(m) 4		
FLUID CONDITION  Sodium ppm ASTM D5185(m) 4  Boron ppm ASTM D5185(m) 0 <1	<1	
FLUID CONDITION  Sodium ppm ASTM D5185(m) 4  Boron ppm ASTM D5185(m) 0 <1  Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.  Barium ppm ASTM D5185(m) 0 <1	<1 <1	
FLUID CONDITION  Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.  Sodium ppm ASTM D5185(m) 0 <1 <	<1 <1 0	
FLUID CONDITION  Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.  Sodium ppm ASTM D5185(m) 0 <1 <	<1 <1 0	
Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.  Sodium ppm ASTM D5185(m) 0 <1 <	<1 <1 0 0 3	
Additive levels indicate the addition of a different brand, or type of oil.  The condition of the oil is acceptable for the time in service.  Sodium ppm ASTM D5185(m) 0 <1 <	<1 <1 0 0 3 1087	
FLUID CONDITION  Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.  Sodium ppm ASTM D5185(m) 0 <1 <	<1 <1 0 0 3 1087 609	
Sodium   ppm   ASTM D5185(m)   Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.	<1 <1 0 0 3 1087 609	
Sodium   ppm   ASTM D5185(m)   4   2	<1 <1 0 0 3 1087 609	





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : LH0288060

Lab Number : 02624983 Unique Number : 5750102

: 27 Mar 2024 Received **Tested** Diagnosed

: 28 Mar 2024 : 28 Mar 2024 - Kevin Marson

Test Package : MOB 1 ( Additional Tests: PrtCount )

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

MITCHELL METAL RECYCLING

12100 MITCHELL RD RICHMOND, BC CA V6V 1MB

Contact: Service Manager

T: (778)235-0918

F: