## CONSTRUCTION EQUIPMENT



## LIEBHERR R924LC 041508 - Hydraulic System

Sample No: LH0260667

cSt

Oil Type:

Visc @ 40°C

=

PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

0 43.8

<b>SAMPLE INFOR</b>	MATION			
Sample Number	LH0260667	LH0140320	LH0137047	
Sample Date	19 Jul 2023	08 May 2019	15 Feb 2019	
Machine Hours	13316	6006	5546	
Oil Hours	0	0	0	
Oil Changed	Not Changd	Not Changd	Not Changd	
Sample Status	NORMAL	ABNORMAL	ATTENTION	

CONTAMINATION Water % ----0.029 Particles >4µm 0 44607 0 2117 7333 0 312 Particles >6µm 0 324 0 14358 Particles >14µm 0 26 0 1071 0 16 ISO 4406:1999 (c) 18/16/12 23/21/17 20/15/11 Silicon 01  $\bigcirc 7$ 06 ppm Sodium  $\bigcirc 2$ 02 ppm ○ <1 ○ <1 Potassium  $\bigcirc 2$ 02 ppm

39.6

0 39.8

WEA	<b>R META</b>	LS			
PQ			22	09	
Iron	ppm	04	0 87	0 79	
Copper	ppm	01	0 52	<u> </u>	
Lead	ppm	0 ()	○ 5	0 4	
Tin	ppm	0	0	0	
Aluminum	ppm	<b>○</b> <1	01	0 1	
Chromium	ppm	<b>○</b> <1	0 15	0 14	
Molybdenum	ppm	0 (	1	<1	
Nickel	ppm	0	○ <1	◯ <1	
Titanium	ppm	<1	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	0 (	2	2	
Vanadium	ppm	0	0	0	

Calcium	ppm	63	498	502			
Magnesium	ppm	0 2	6	5			
Zinc	ppm	444	579	574			
Phosphorus	ppm	367	467	456			
Barium	ppm	0 🔘	0	0			
Boron	ppm	<mark></mark> <1	2	2			



Liebherr Canada

140 - 21320 Gordon Way Richmond, BC CA V6W 1J8 Contact: Kevin Steer kevin.steer@liebherr.com T: F: (604)270-3254

## Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. 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.

Depot:LIERICUnique No:5632440Signed:Wes DavisReport Date:31 Aug 2023

Report Id: LIERIC [WCAMIS] 02579380 (Generated: 08/31/2023 08:55:34) Rev: 1

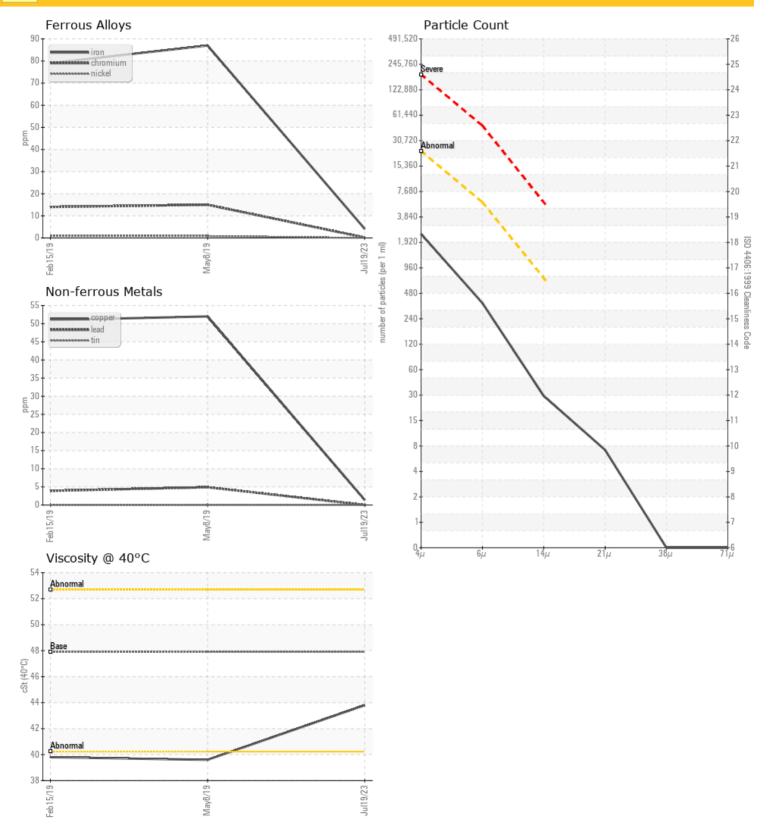
Contact/Location: Kevin Steer - LIERIC





GRAPHS

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