

[(358628)] LIEBHERR R914 047334-1511 - Swing Drive

Sample No: LH

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Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number		LH	LH0243078	LH	
Sample Date		23 Nov 2023	05 Jan 2023	22 Sep 2021	
Machine Hours		3825	2731	0	
Oil Hours		0	0	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		ABNORMAL	SEVERE	NORMAL	
OIL CONDITION					
Visc @ 40°C	cSt	254	222	207	

Water	%	NEG	1.383	NEG	
Silicon	ppm	07	○ 5	21	
Sodium	ppm	3	0 4	0 4	
Potassium	ppm	0	0	01	

👾 WEAI	R METALS				
PQ		6			
Iron	ppm	<mark>)</mark> 961	267	360	
Copper	ppm	0 44	33	23	
Lead	ppm	01	○ <1	◯ <1	
Tin	ppm	○ <1	○ <1	◯ <1	
Aluminum	ppm	○ <1	○ <1	○ <1	
Chromium	ppm	07	2	3	
Molybdenum	ppm	0	○ <1	○ <1	
Nickel	ppm	○ <1	○ <1	◯ <1	
Titanium	ppm	0	<1	0	
Silver	ppm	2	0	<1	
Manganese	ppm	06	2	04	
Vanadium	ppm	0	<1	0	

ADDITIVES Calcium 0 10 20 0 11 ppm Magnesium 02 ○ <1 $\bigcirc 1$ ppm 0 51 Zinc ppm 0 36 0 45 Phosphorus 0 2215 2398 0 2344 ppm Barium ppm ◯ <1 02 02 Boron ppm 03 $\bigcirc 4$ 03



L.A.H. EQUIPMENT INC.

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Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate concentration of water present in the oil. Free water present. Viscosity of sample indicates oil is within SAE 80W140 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	LAHBRO
Unique No:	5684156
Signed:	Kevin Marson
Report Date:	28 Nov 2023

Report Id: LAHBRO [WCAMIS] 02599076 (Generated: 11/30/2023 13:31:35) Rev: 1

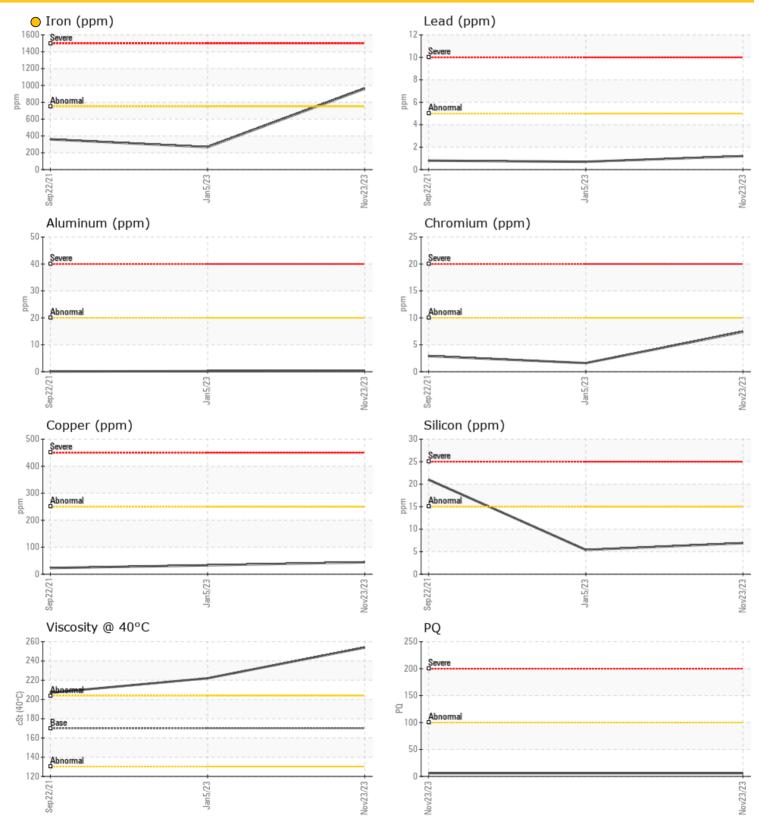
Submitted By: Olivier Galimi





GRAPHS

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