# CONSTRUCTION EQUIPMENT

## LIEBHERR R920 045422-1705 - Right Final Drive

Sample No: LHMC124341

Oil Type: LIEBHERR HYPOID 85W-140 EP

### **Sample Information**

Sample Number		LHMC124341	LHMC116817	LH0229835	LH0217229
Sample Date		16 Apr 2024	11 Jul 2023	29 Nov 2022	15 Apr 2022
Machine Hours		9921	9805	8143	7593
Oil Hours		1000	1000	500	500
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
Oil Cor	ndition				
Visc @ 40°C	cSt	<b>0</b> 194	213	366	366
<b>11</b>					

	ntaminati	on				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	<b>0</b> 13	○ 5	0 15	52	
Sodium	ppm	6	2	6	6	
Potassium	ppm	04	0	0 4	0 4	

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Wea	r Metals				
Iron	ppm	0 218	0 45	08 (	0 138
Copper	ppm	<b>○</b> <1	0	◯ <1	◯ <1
Lead	ppm	0	0	0	◯ <1
Tin	ppm	0	0	0	0
Aluminum	ppm	03	0	5	18
Chromium	ppm	01	0 0	◯ <1	2
Molybdenum	ppm	0 🔘	0	0	◯ <1
Nickel	ppm	0	0 0	0	0
Titanium	ppm	<1	0	<1	1
Silver	ppm	<1	0	0	<1
Manganese	ppm	02	◯ <1	◯ <1	1
Vanadium	ppm	<1	0	0	0

0 **Additives** Calcium ppm 04 6 6 0 41 0 02 Magnesium ppm  $\bigcirc 5$ 09 Zinc 0 0 11 06 0 12 ppm Phosphorus 0 2091 ppm 2459 0 1079 0 1135 Barium 0 06 ppm 0 0 Boron ppm 02  $\bigcirc 0$  $\bigcirc 2$ 1





#### POTOMAC METALS

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#### Diagnosis

Resample at the next service interval to monitor.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:POTSTEUnique No:11033416Signed:Sean FeltonReport Date:20 May 2024Contact/Location:JEREMY WONG - POTSTE





Graphs

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