

LIEBHERR R936 048753-1780 - Right Final Drive

Sample No: LH0220967

0

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Additives

ppm

ppm

ppm

ppm

ppm

ppm

Oil Type: LIEBHERR GEAR BASIC 90 LS

Sample Information

Sample Number	LH0220967	LH0173883	
Sample Date	18 Apr 2024	01 Jul 2021	
Machine Hours	1977	844	
Oil Hours	0	844	
Oil Changed	Changed	Changed	
Sample Status	ABNORMAL	ABNORMAL	
Oil Condition			
Visc @ 40°C cSt	0 178	0 194	
1			

Col	ntaminati	on			
Water	%	NEG	NEG	 	
Silicon	ppm	<u> </u>	○ 336	 	
Sodium	ppm	06	8 🔘	 	
Potassium	maa	0 20	0 15	 	

Ä				
Wea	ı <mark>r Metal</mark> s	i		
Iron	ppm	◯ 344	◯ 451	
Copper	ppm	0 🔘	○ <1	
Lead	ppm	0 🔘	0	
Tin	ppm	0 🔘	0	
Aluminum	ppm	0 72	0 39	
Chromium	ppm	0 9	0 14	
Molybdenum	ppm	0	0 1	
Nickel	ppm	○ <1	1	
Titanium	ppm	8	6	
Silver	ppm	0	0	
Manganese	ppm	3	6	
Vanadium	ppm	<1	<1	

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LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE NEWPORT NEWS, VA US 23607 Contact: MICHAEL SAULSBERRY michael.saulsberry@liebherr.com T: F: (757)298-8700

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot:	LIEBHERRUS		
Unique No:	11004475		
Signed:	Don Baldridge		
Report Date:	01 May 2024		
TION MICHAEL SALLS			

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0 2399

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0

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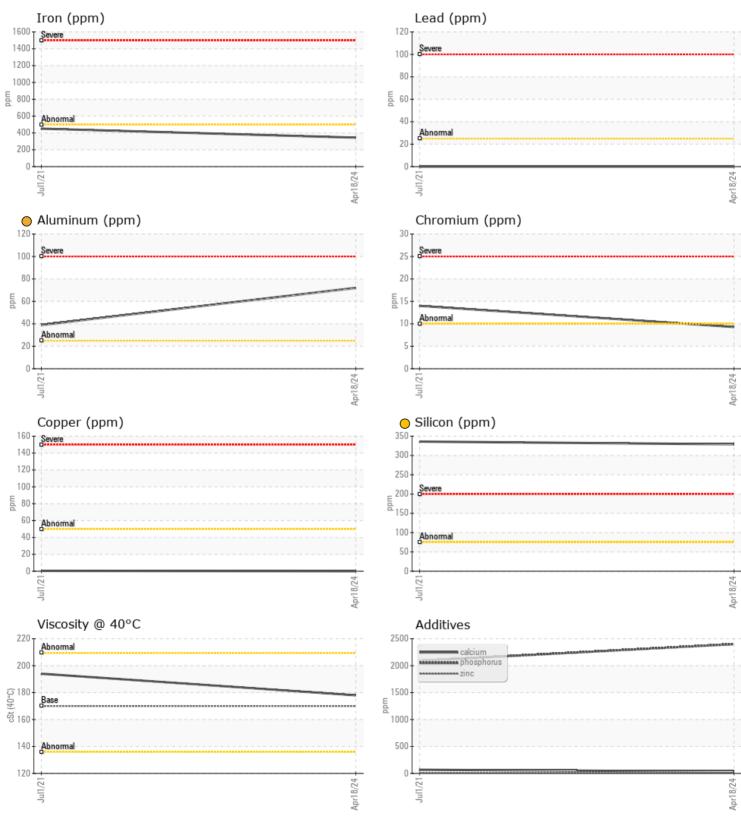
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Graphs



Contact/Location: MICHAEL SAULSBERRY - LIEBHERRUS