

LIEBHERR R938 1650-50726 - Right Final Drive

Sample No: LH0244726

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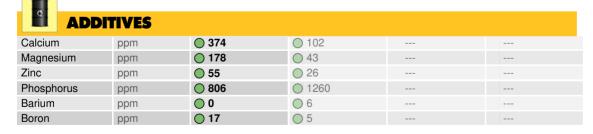
Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION

Sample Number		LH0244726	LH0236517			
Sample Date		13 Oct 2023	01 Aug 2022			
Machine Hours		973	0			
Oil Hours		0	516			
Oil Changed		Not Changd	Changed			
Sample Status		SEVERE	NORMAL			
Visc @ 40°C	cSt	134	0 199			

Silicon	ppm	2 96	65		
Sodium	ppm	08	0 6		
Potassium	maa	20	08		

WEA WEA	R META	LS		
Iron	ppm	○ 535	0 169	
Copper	ppm	01	0 <1	
Lead	ppm	1	◯ <1	
Tin	ppm	0 (0	
Aluminum	ppm	<u> </u>	0 14	
Chromium	ppm	08	03	
Molybdenum	ppm	05	◯ <1	
Nickel	ppm	3	<1	
Titanium	ppm	4	1	
Silver	ppm	0	<1	
Manganese	ppm	06	3	
Vanadium	ppm	0	0	







DIEHL AND NUEMAIER

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Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot:	DIED
Unique No:	1070
Signed:	Dou
Report Date:	20 O

EDEF 1701551 Dug Bogart 1 Oct 2023





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