

LIEBHERR R938 1650-50726 - Left Final Drive

Sample No: LH0244725

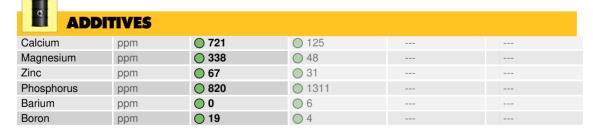
Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION

Sample Number	LH0244725	LH0236522			
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			
OIL CONDITION					
Visc @ 40°C cSt	136	0 198			

	NTAMIN/	ATION		
Silicon	ppm	623	○ 74	
Sodium	ppm	0 16	07	
Potassium	ppm	0 36	0 5	

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WEAI	R METALS			
Iron	ppm	958	209	
Copper	ppm	02	○ <1	
Lead	ppm	2	0	
Tin	ppm	○ <1	○ <1	
Aluminum	ppm	<mark>()</mark> 81	0 15	
Chromium	ppm	<u> </u>	3	
Molybdenum	ppm	5	○ <1	
Nickel	ppm	5	1	
Titanium	ppm	7	1	
Silver	ppm	0	0	
Manganese	ppm	0 12	3	
Vanadium	ppm	0	0	







DIEHL AND NUEMAIER

5466 NORWAY GROVE SCHOOL RD DE FOREST, WI US 53532 Contact: ELLIOT DIEHL diehlneumaier@yahoo.com T: (608)846-4824 F: (608)846-2077

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:	Doug
Report Date:	20 O

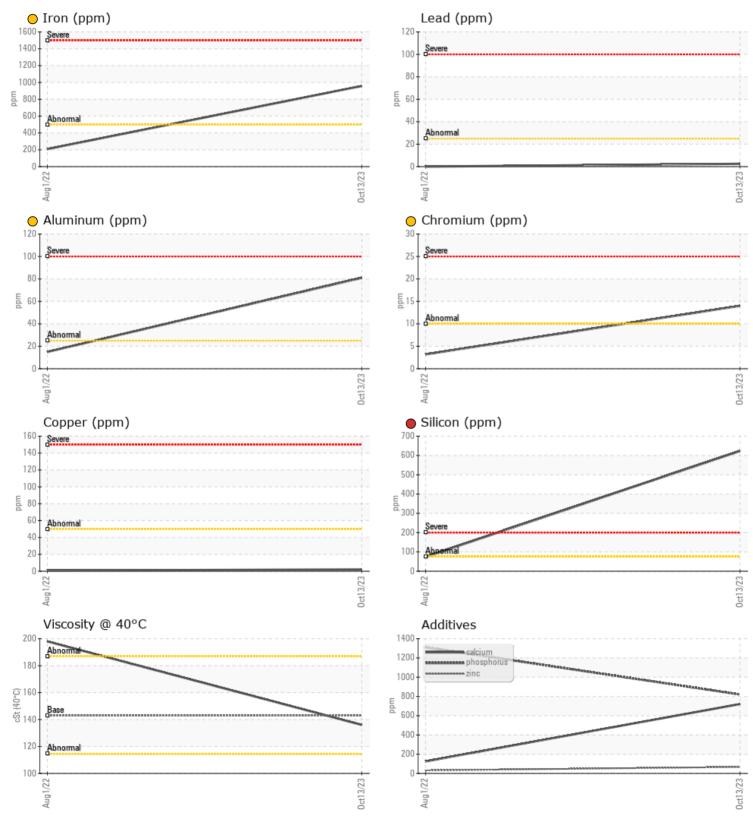
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