

GEAR OIL SAE 75W90

LIEBHERR R920 051529-1705 - Left Final Drive

Sample No: LH0225025

Oil Type:

SAMPLE INFORMATION

Sample Number	LH0225025	 	
Sample Date	24 Jan 2024	 	
Machine Hours	3129	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	SEVERE	 	

OIL CONDITION

Visc @ 40°C

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	CONTAMINATION							
Water	%	NEG						
Silicon	ppm	0 273						
Sodium	ppm	5						
Potassium	ppm	18						

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WEA	R META	LS		
Iron	ppm	0 454	 	
Copper	ppm	○ <1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0 65	 	
Chromium	ppm	06	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0 2	 	
Titanium	ppm	2	 	
Silver	ppm	0	 	
Manganese	ppm	0 5	 	
Vanadium	ppm	0	 	

0

	ITIVES			
Calcium	ppm	0 118	 	
Magnesium	ppm	0 26	 	
Zinc	ppm	0 19	 	
Phosphorus	ppm	0 1286	 	
Barium	ppm	02	 	
Boron	ppm	0 262	 	





SHAMROCK EARTHWORKS LTD 351 EVERSYDE WAY SW CALGARY, AB CA T2Y 4R2 Contact: Service Manager

T: F:

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. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm.Aluminum ppm levels are noted. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot:SHUnique No:57Signed:BitReport Date:055

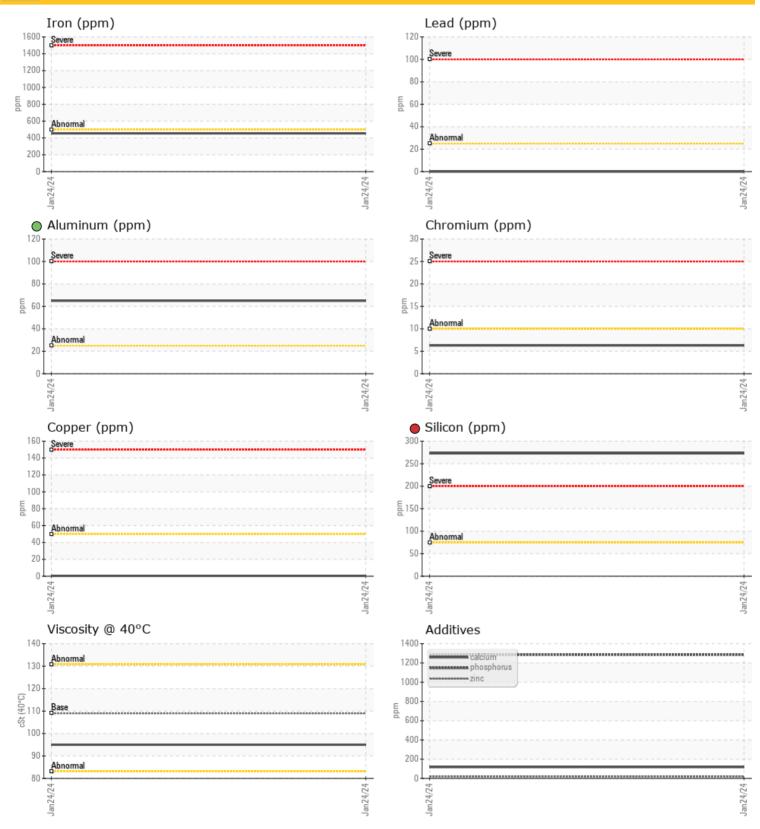
SHA351CAL 5722576 Bill Quesnel 05 Feb 2024





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