# CONSTRUCTION EQUIPMENT

### [(347307)] LIEBHERR R934 052025-1550 - Left Final Drive

Sample No: LH0270385

Oil Type: GEAR OIL SAE 75W90

#### **SAMPLE INFORMATION**

Sample Number	LH0270385	 
Sample Date	27 Jul 2023	 
Machine Hours	2892	 
Oil Hours	0	 
Oil Changed	Changed	 
Sample Status	ABNORMAL	 

Visc @ 40°C cSt

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## cSt 0 88.5

CONTAMINATION					
Water	%	0.179			
Silicon	ppm	<del> </del> 515			
Sodium	ppm	<b>3</b> 0			
Potassium	ppm	0 40			

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WEAI	R METALS			
		007		
PQ		<b>207</b>	 	
Iron	ppm	<u> </u>	 	
Copper	ppm	0 4	 	
Lead	ppm	06	 	
Tin	ppm	0	 	
Aluminum	ppm	<u> </u>	 	
Chromium	ppm	0 21	 	
Molybdenum	ppm	01	 	
Nickel	ppm	06	 	
Titanium	ppm	<mark>()</mark> 10	 	
Silver	ppm	0	 	
Manganese	ppm	22	 	
Vanadium	ppm	<1	 	

**ADDITIVES** Calcium 870 ppm Magnesium 185 ppm Zinc ppm 0 42 Phosphorus 0 1299 ppm Barium ppm 24 Boron ppm 0 239





**MOFFATT SCRAP IRON & METAL INC.** 9620 GUELPH LINE

CAMPBELLVILLE, ON CA LOP 1B0 Contact: Paul Brochu maintenance@moffatscrapiron.ca T: (905)854-2792 F: (905)854-1225

#### 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. Iron and titanium ppm levels are abnormal. Aluminum ppm levels are noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. Elemental levels of silicon (Si) and aluminum (AI) indicate aluminasilicate (coarse dirt) ingress. The water content is negligible. High amount of ingressed dirt has caused abrasive wear to the component. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

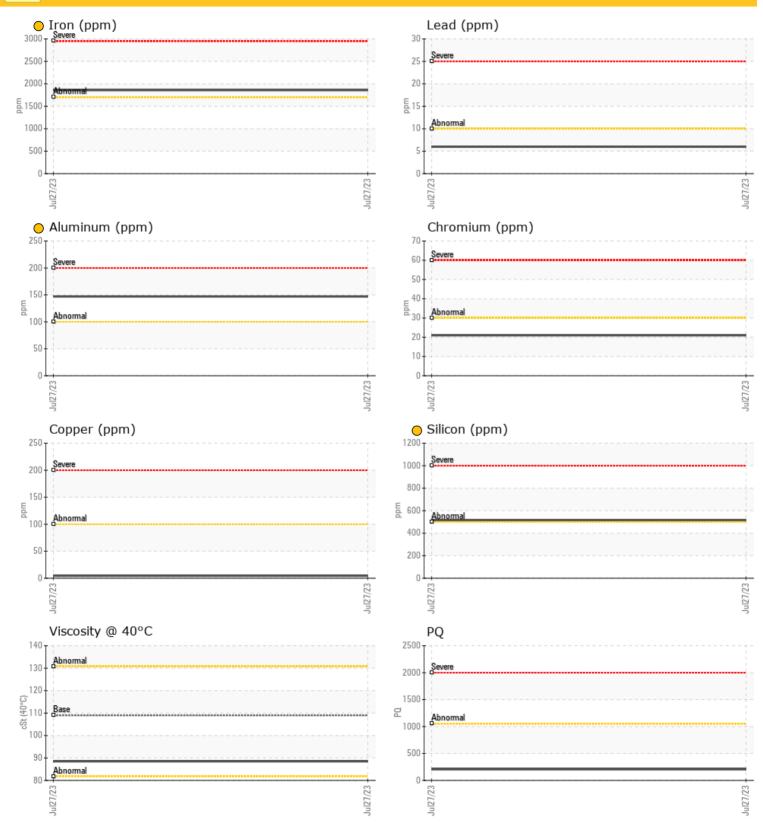
Depot:	MOFMOF		
Unique No:	5618309		
Signed:	Kevin Marson		
Report Date:	01 Aug 2023		





GRAPHS

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Contact/Location: Paul Brochu - MOFMOF