

LIEBHERR A913 143645-1824 - Rear Right Wheel Hub

Sample No: LH0269794

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number	LH0269794	 	
Sample Date	28 Dec 2023	 	
Machine Hours	643	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	NORMAL	 	

OIL CONDITION

Visc @ 40°C

cSt

80.8

Water	%	NEG					
Silicon	ppm	0 22					
Sodium	ppm	0 2					
Potassium	maa	07					

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WEA WEA	R METALS			
Iron	ppm	0 113	 	
Copper	ppm	0 19	 	
Lead	ppm	○ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	02	 	
Chromium	ppm	01	 	
Molybdenum	ppm	0	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	02	 	
Silver	ppm	0	 	
Manganese	ppm	02	 	
Vanadium	ppm	0	 	

٥ **ADDITIVES** Calcium 813 ppm Magnesium 03 ppm Zinc 1453 ppm Phosphorus ppm 696 Barium 02 ppm Boron ppm 98





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

T: F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

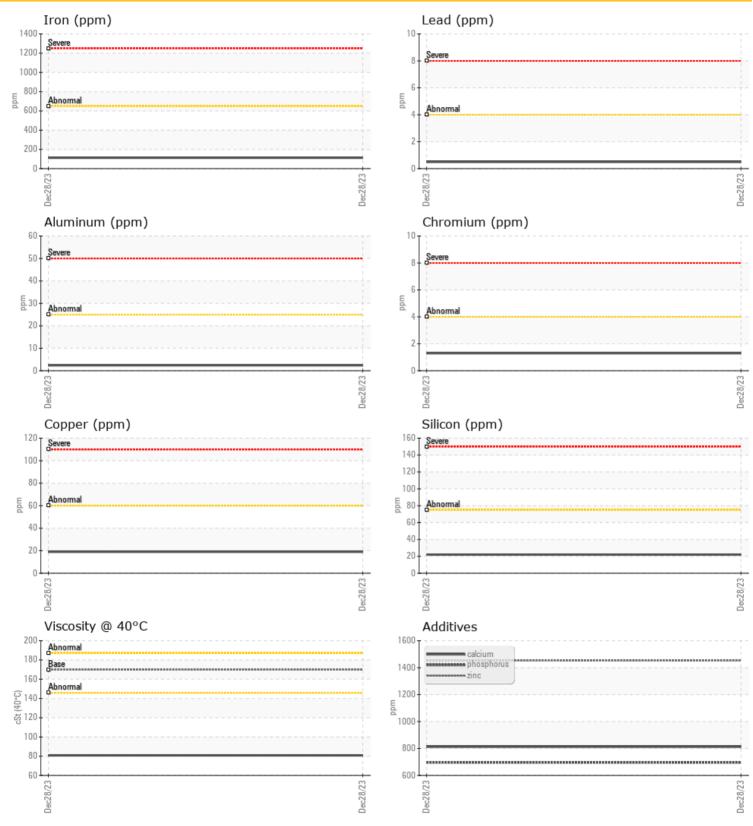
Depot: Unique No: Signed: Report Date: SHA351CAL 5707127 Kevin Marson 03 Jan 2024





GRAPHS

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