LIEBHERR



LIEBHERR A913 143645-1824 - Front Right Wheel Hub

Sample No: LH0269792

Oil Type: LIEBHERR GEAR BASIC 90 LS

ā						
SAMPLE INFORMATION						
Sample Number	LH0269792					
Sample Date	28 Dec 2023					
Machine Hours	643					
Oil Hours	0					
Oil Changed	Changed					
Sample Status	NORMAL					
A						

Pic	Ciaias		HOHIWAL		
)	OIL CC	NDITION			
@	40°C	cSt	80.8	 	

CONTAMINATION								
Water	%	NEG						
Silicon	ppm	51						
Sodium	ppm	4						
Potassium	ppm	8						

(O) WE	R META	16		
W EA	IR ME I A	L		
Iron	ppm	113	 	
Copper	ppm	18	 	
Lead	ppm	() <1	 	
Tin	ppm	0	 	
Aluminum	ppm	3	 	
Chromium	ppm	2	 	
Molybdenum	ppm	○ <1	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	2	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	

ADDITIVES								
Calcium	ppm	772						
Magnesium	ppm	5						
Zinc	ppm	1397						
Phosphorus	ppm	689						
Barium	ppm	2						
Boron	ppm	100						



SHAMROCK EARTHWORKS LTD 351 EVERSYDE WAY SW CALGARY, AB CA T2Y 4R2

Contact: Service Manager

T: F:

Diagnosis

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

Confirm the source of the lubricant

oil is acceptable for the time in service.

Depot:SHA351CALUnique No:5707095Signed:Kevin MarsonReport Date:02 Jan 2024

LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS

