LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH110 155976-1227 - Front Right Wheel Hub

Sample No: LH0267535

Oil Type: GEAR OIL SAE 80W90

Sample Number	LH0267535	LH0280577	LH0280566	
Sample Date	18 Apr 2024	23 Feb 2024	30 Jan 2024	
Machine Hours	1623	995	534	
Oil Hours	628	0	0	
Oil Changed	Not Changd	Changed	Not Changd	
Sample Status	NORMAL	NORMAL	NORMAL	

Campio	Otatao		HOHIMAL	140111111111	140111111111	
	Oil Co	ndition				
Visc @	40°C	cSt	119	O 173	O 172	
-4						

Contamination								
Water	%	NEG	NEG	NEG				
Silicon	ppm	3	O 12	10				
Sodium	ppm	0	3	O 0				
Potassium	ppm	O <1	O 1	1				
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(O)					
Wed	ar Metals	5			
Iron	ppm	22	O 41	3 3	
Copper	ppm	0	2	0	
Lead	ppm	0	0	O 0	
Tin	ppm	0	O 0	O 0	
Aluminum	ppm	 <1	O 1	O 2	
Chromium	ppm	0	O <1	O <1	
Molybdenum	ppm	1	0	O 0	
Nickel	ppm	0	O <1	O 0	
Titanium	ppm	 <1	O <1	O 0	
Silver	ppm	0	0	0	
Manganese	ppm	 <1	O 2	O <1	
Vanadium	ppm	0	0	0	

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Add	itives				
Calcium	ppm	187	O 142	O 147	
Magnesium	ppm	5	O 2	O 0	
Zinc	ppm	108	O 21	4	
Phosphorus	ppm	454	O 1582	O 1281	
Barium	ppm	0	O	O 5	
Boron	ppm	0	O 2	8	



KINDER MORGAN 4301 IVERSON TRINITY, AL US 35601

Contact: CHIP OAKES

T: (256)350-0006 F: (256)355-5250

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:KINTRIUnique No:11031837Signed:Wes DavisReport Date:16 May 2024

Contact/Location: CHIP OAKES - KINTRI

CONSTRUCTION EQUIPMENT





Graphs

