CONSTRUCTION EQUIPMENT



LIEBHERR LTM1090-4.2089274 - PASS HUB - 3 Axle

Sample No: LH0258643

Oil Type: LIEBHERR GEAR HYPOID 90 EP

Sample Date 28 May 2024 Machine Hours 20437	
Sample Number	
Sample Date Machine Hours Oil Hours Oil Changed Sample Status NORMAL Oil Condition Visc @ 40°C	
Machine Hours 20437 <td></td>	
Changed Chan	
Sample Status NORMAL	***
Cample Status NORMAL	***
Visc @ 40°C cSt ● 196 Contamination Water % NEG Solicon ppm 2 Sodium ppm 6 Potassium ppm <1 Wear Metals Vear Metals Vear Metals Vear Metals Iron ppm 16 Copper ppm 0 Lead ppm 0 Aluminum ppm 0 Chromium ppm 0 Molybdenum ppm <1 Titanium ppm <1	
Visc @ 40°C cSt ● 196 Contamination Water % NEG Silicon ppm 2 Sodium ppm 6 Potassium ppm <1	
Contamination Water	
Contamination Water % NEG Sodium ppm 6	
Water % NEG Silicon ppm 2 Sodium ppm 6 Potassium ppm <1	
Water % NEG Silicon ppm 2 Sodium ppm 6 Potassium ppm <1	
Silicon	
Sodium	
Potassium ppm	
Wear Metals Iron ppm ○ 230 Copper ppm ○ 16 Lead ppm ○ 0 Tin ppm ○ 0 Aluminum ppm ○ <1	
ron	
Lead ppm 0 Tin ppm 0 Aluminum ppm <1 Chromium ppm ≥ Molybdenum ppm <1 Nickel ppm <1 Titanium ppm <1	
Tin ppm ○ 0 Aluminum ppm ○ <1	
Aluminum ppm <1	
Chromium ppm 2 Molybdenum ppm <1	
Molybdenum ppm <1 Nickel ppm <1	
Nickel ppm ○ <1 Titanium ppm <1	
Titanium ppm <1	
The second secon	
Silver ppm 0	
Manganese ppm 3	
Vanadium ppm <1	
Additives	
Calcium ppm 0	
Magnesium ppm 0	
Zinc ppm 25	
Phosphorus ppm 0 1195	
Barium ppm 0	
Boron ppm 0	

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F:

Diagnosis

Resample at the next service interval to monitor. 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:LIENEWUnique No:11062985Signed:Wes DavisReport Date:06 Jun 2024

Contact/Location: CHRIS JONES - LIENEW

LIEBHERR







Graphs

