



# LIEBHERR PR766 027906-1681 - Right Final Drive

Sample No: LH0254477

Oil Type: GEAR OIL SAE 80W140

## **Sample Information**

Sample Number	LH0254477	LH0254552	LH0254258					
Sample Date	01 May 2024	03 Apr 2024	07 Mar 2024					
Machine Hours	2148	1518	882					
Oil Hours	2148	1518	882					
Oil Changed	Changed	Not Changd	Not Changd					
Sample Status	SEVERE	ABNORMAL	ABNORMAL					
Oil Condition								
Visc @ 40°C cSt	293	295	298					

### **Contamination** % Water NEG NEG NEG Silicon 0 13 0 12 ppm 011 Sodium 03 03 02 ppm Potassium 02 ppm ○ <1 02

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Wed Wed	ır Metals	<b>;</b>			
Iron	ppm	0 102	87	69	
Copper	ppm	6 423	0 234	0 86	
Lead	ppm	<b>○</b> <1	0	◯ <1	
Tin	ppm	<u> </u>	07	02	
Aluminum	ppm	01	01	2	
Chromium	ppm	<mark></mark> <1	○ <1	0 1	
Molybdenum	ppm	02	2	3	
Nickel	ppm	0 🔘	0	◯ <1	
Titanium	ppm	0	<1	<1	
Silver	ppm	0	0	0	
Manganese	ppm	02	0 2	2	
Vanadium	ppm	0	0	<1	

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Calcium	ppm	0 47	◯ 34	◯ 41	
Magnesium	ppm	0 4	02	2	
Zinc	ppm	62	0 42	0 40	
Phosphorus	ppm	0 1203	0 1154	0 1065	
Barium	ppm	074	78	86	
Boron	ppm	0 2	0 2	3	



HEAVY MACHINES INC.

3930 EAST RAINES RD MEMPHIS, TN US 38118 Contact: J. DAVIS JDAVIS@HEAVY.LLC.COM T: F: (901)260-2245

# Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:LEC0051Unique No:11021998Signed:Sean FeltonReport Date:14 May 2024Contact/Location:J. DAVIS - LEC0051







# Ferrous Alloys

Graphs

