LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR PR766 027906-1681 - Left Final Drive

Sample No: LH0254478

Oil Type: GEAR OIL SAE 80W140

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Sam	ple Info	rmation			
Sample Number		LH0254478	LH0254553	LH0254254	
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	
<u> </u>					
Oil C	ondition				
/isc @ 40°C	cSt	O 271	O 289	O 292	
71SC @ 40 C	COL	U 271	0 209	0 232	
Cont	aminati	on			
Water	%	NEG	NEG	NEG	
Silicon	ppm	11	○ 38	O 11	
Sodium	ppm	3	3	O 2	
Potassium	ppm	2	O <1	02	
Wed	r Metal				
Iron	ppm	109	O 100	O 54	
Copper	ppm	1031	678	<u> </u>	
Lead	ppm	0	O 0	O <1	
Tin	ppm	32	<u>22</u>	4	
Aluminum	ppm	0 <1	5	O 2	
Chromium	ppm	() <1	0 1	O 1	
Molybdenum	ppm	() <1	O 1	O 2	
Vickel	ppm	0	O 0	O <1	
Titanium	ppm	0	<1	<1	
Silver	ppm	0	0	0	
Manganese	ppm	2	O 2	O 2	
/anadium	ppm	0	0	<1	
Addi	itives				
Calcium	ppm	69	O 34	O 41	
Magnesium	ppm	3	0 2	0 2	
Zinc	ppm	83	O 48	O 39	
Phosphorus	ppm	O 1142	O 1140	0 1057	
	PP	<u>_</u>	00	<u> </u>	

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85

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HEAVY MACHINES INC. 3930 EAST RAINES RD MEMPHIS, TN

US 38118 Contact: J. DAVIS

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T:

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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:11021999Signed:Sean FeltonReport Date:14 May 2024

Contact/Location: J. DAVIS - LEC0051

73

2

ppm

ppm

Barium

Boron

LIEBHERR







Graphs

