LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR PR766 027906-1681 - Left Final Drive

Sample No: LH0264291

Oil Type: GEAR OIL SAE 90W140

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U Sam	ple Infor	mation			
Sample Number		LH0264291	LH0254478	LH0254553	LH0254254
Sample Date		31 May 2024	01 May 2024	03 Apr 2024	07 Mar 2024
Machine Hours		2848	2148	1518	882
Oil Hours		698	2148	1518	882
Oil Changed		Not Changd	Changed	Not Changd	Not Changd
Sample Status		SEVERE	SEVERE	ABNORMAL	ABNORMAL
Oil	ondition	1			
/isc @ 40°C	cSt	344	O 271	○ 289	O 292
Conf	taminati	on			
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	O 11	38	O 11
Sodium	ppm	0 1	3	3	O 2
Potassium	ppm	O <1	O 2	O <1	02
	ar Metals		0.400	0.400	
ron	ppm	34	0 109	O 100	O 54
Copper	ppm	460	0 1031	678	<u> </u>
₋ead -	ppm	0 <1	0 0	0	0 <1
Γin · ·	ppm	<u>0</u> 11	32	<u>22</u>	0 4
Aluminum	ppm	2	0 <1	O 5	0 2
Chromium	ppm	O <1	0 <1	0 1	0 1
Molybdenum	ppm	01	0 <1	O 1	0 2
Nickel	ppm	0 <1	0	0	0 <1
Γitanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	O <1	0 2	0 2	02
/anadium	litives	0	0	0	<1
Calcium	ppm	0 7	O 69	O 34	O 41
Magnesium	ppm	0 4	O 3	0 2	0 2
Zinc	ppm	25	8 3	48	39

1142

73

02

1140

75

06

0 1057

85



HEAVY MACHINES INC. 3930 EAST RAINES RD MEMPHIS, TN US 38118 Contact: J. DAVIS JDAVIS@HEAVY.LLC.COM

Т:

F: (901)260-2245

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The copper level is severe for time on oil. 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:11084982Signed:Don BaldridgeReport Date:19 Jun 2024

Contact/Location: J. DAVIS - LEC0051

983

13

2

Phosphorus

Barium

Boron

ppm

ppm

ppm

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Graphs

