LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LR636 018206-1275 - Right Final Drive

Sample No: LH0270253

Oil Type: GEAR OIL SAE 90W140

_					
U SAM	PLE INFOR	MATION			
Sample Number		LH0270253	LH0195799	LH0178615	
Sample Date		18 Sep 2023	02 Jun 2021	15 Oct 2020	
Machine Hours		0	2657	1682	
Oil Hours		0	0	0	
Oil Changed		N/A	Not Changd	Not Changd	
Sample Status		SEVERE	NORMAL	NORMAL	
Sample Status		OLVLIIL	TVOTTIVIAL	TVOT IIVI/ CE	
A					
OILC	ONDITION				
Visc @ 40°C	cSt	276	○ 332	○ 314	
CON	TAMINATION	ON			
			0.40	0.0	
Silicon	ppm	39	O 12	3	
Sodium	ppm	4	0 2	6	
Potassium	ppm	6	O 2	2	
(Ö)					
WEA	R METALS				
PQ		205			
Iron	ppm	962	O 58	O 82	
Copper	ppm	526	O 11	26	
Lead	ppm	<u> </u>	O <1	1	
Tin	ppm	44	O <1	1	
Aluminum	ppm	7	02	O <1	
Chromium	ppm	5	O <1	1	
Molybdenum	ppm	2	O <1	O <1	
Nickel	ppm	3	<1	<1	
Titanium	ppm	<1	<1	0	
Silver	ppm	0	<1	<1	
Manganese	ppm	8	O <1	1	
Vanadium	ppm	0	0	0	
III I					
ADD	ITIVES				
Calcium	ppm	40	O 10	O 21	
Magnesium	ppm	O 12	02	O 3	
Zinc	ppm	① 132	O 12	O 25	
Phosphorus	ppm	866	931	O 1122	
Barium	ppm	0 4	0 1	O 77	
_			0	-	

236



CON-DRAIN LTD.
30 FLORAL PARKWAY
CONCORD, ON
CA L4K 4R1
Contact: B BAXTER
B.BAXTER@CONDRAIN.COM

T: F:

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Copper and tin ppm levels are severe. Lead and iron ppm levels are abnormal. Bearing and/or bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. 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:CON30CONUnique No:5644706Signed:Bill QuesnelReport Date:20 Sep 2023

130

Boron





GRAPHS

