

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L550 054859-1214 - Splitter Box

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH	LH0168463	LH0168489	---
Sample Date	16 Nov 2023	23 Dec 2021	23 Apr 2021	---
Machine Hours	1717	1000	533	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

EMBELLISSEMENTS ROLI-VERT INC.
 5219 BOUL. ST-MARTIN OUEST
 LAVAL, QC
 CA H7T 2X8
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	192	193	191	---
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T:
F:



CONTAMINATION

Water	%	NEG	0.029	NEG	---
Silicon	ppm	3	3	3	---
Sodium	ppm	8	10	8	---
Potassium	ppm	4	5	5	---

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. Iron and nickel ppm levels are abnormal. 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.



WEAR METALS

PQ		3	18	14	---
Iron	ppm	119	116	123	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	4	6	7	---
Nickel	ppm	14	12	11	---
Titanium	ppm	0	0	<1	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	7	8	8	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	17	24	18	---
Magnesium	ppm	12	12	11	---
Zinc	ppm	96	80	69	---
Phosphorus	ppm	2199	2226	2242	---
Barium	ppm	16	16	20	---
Boron	ppm	2	3	3	---

Depot: EMBLAV
 Unique No: 5682251
 Signed: Kevin Marson
 Report Date: 20 Nov 2023



GRAPHS

