

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R936LC 042165-1148 - Splitter Box

Sample No: LH0135490

Oil Type: SAE 15W40



Sample Information

Sample Number	LH0135490	LH0135529	LH0135505	---
Sample Date	04 Apr 2024	12 Aug 2020	03 Mar 2020	---
Machine Hours	8036	3416	2873	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	SEVERE	NORMAL	NORMAL	---

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Oil Condition

Visc @ 40°C	cSt	103	104	102	---
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Contamination

Water	%	1.982	NEG	NEG	---
Silicon	ppm	6	2	1	---
Sodium	ppm	<1	<1	0	---
Potassium	ppm	3	1	3	---



Wear Metals

PQ		0	---	---	---
Iron	ppm	235	25	37	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	5	5	7	---
Chromium	ppm	3	<1	<1	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	1	<1	<1	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	12	32	38	---
Magnesium	ppm	5	3	3	---
Zinc	ppm	39	51	46	---
Phosphorus	ppm	936	802	784	---
Barium	ppm	0	<1	<1	---
Boron	ppm	15	58	43	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Iron ppm levels are severe. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a high concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MOOPAL
 Unique No: 5762437
 Signed: Kevin Marson
 Report Date: 18 Apr 2024



Graphs

