

LIEBHERR

CONSTRUCTION EQUIPMENT



[(347073)] LIEBHERR R966 048149-1535 - Right Final Drive

Sample No: LH0274611

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0274611	LH	---	---
Sample Date	14 Sep 2023	20 Jan 2022	---	---
Machine Hours	1959	637	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	● 113	● 189	---	---
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CONTAMINATION

Silicon	ppm	● 70	● 17	---	---
Sodium	ppm	● 4	● 6	---	---
Potassium	ppm	● 11	● 5	---	---



WEAR METALS

Iron	ppm	● 105	● 84	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● <1	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 24	● 5	---	---
Chromium	ppm	● 1	● 2	---	---
Molybdenum	ppm	● <1	● <1	---	---
Nickel	ppm	● <1	<1	---	---
Titanium	ppm	● 1	<1	---	---
Silver	ppm	● 0	● 0	---	---
Manganese	ppm	● 1	● 1	---	---
Vanadium	ppm	● <1	● 0	---	---



ADDITIVES

Calcium	ppm	● 30	● 23	---	---
Magnesium	ppm	● 10	● 2	---	---
Zinc	ppm	● 23	● 42	---	---
Phosphorus	ppm	● 1547	● 2322	---	---
Barium	ppm	● <1	● 1	---	---
Boron	ppm	● 185	● 3	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: ZANKIN
 Unique No: 5643981
 Signed: Kevin Marson
 Report Date: 15 Sep 2023



GRAPHS

