

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R940 056182 - Right Final Drive

Sample No: LH0289863

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0289863	LH0279227	---	---
Sample Date	30 Apr 2024	03 Jan 2024	---	---
Machine Hours	1000	571	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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Oil Condition

Visc @ 40°C	cSt	● 184	● 193	---	---
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Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 107	● 107	---	---
Sodium	ppm	● 10	● 13	---	---
Potassium	ppm	● 11	● 13	---	---

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.



Wear Metals

Iron	ppm	● 125	● 174	---	---
Copper	ppm	● <1	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 32	● 41	---	---
Chromium	ppm	● 2	● 2	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 1	● <1	---	---
Titanium	ppm	2	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 2	● 2	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 48	41	---	---
Magnesium	ppm	● 9	● 13	---	---
Zinc	ppm	● 6	16	---	---
Phosphorus	ppm	● 2195	1106	---	---
Barium	ppm	● 1	● 8	---	---
Boron	ppm	● <1	● <1	---	---

Depot: LIEMIS
 Unique No: 5775541
 Signed: Kevin Marson
 Report Date: 10 May 2024



Graphs

