

LIEBHERR

CONSTRUCTION EQUIPMENT



041151-1148 - Right Final Drive

Sample No: LH

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

Sample Number	LH	LH0242433	LH0133146	---
Sample Date	21 Nov 2023	04 Nov 2022	25 Oct 2018	---
Machine Hours	8837	8193	4007	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

Delsan - American Iron and Metal
 2187 Montee Masson
 Laval, QC
 CA H7B 0A6
 Contact: MANNY MARQUES
 mmarques@delsan-aim.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	163	93.3	98.2	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	122	91	170	---
Sodium	ppm	6	5	8	---
Potassium	ppm	7	6	22	---



WEAR METALS

PQ		---	138	---	---
Iron	ppm	263	763	341	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	0	2	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	23	27	55	---
Chromium	ppm	3	10	3	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	2	8	1	---
Titanium	ppm	1	2	3	---
Silver	ppm	<1	0	0	---
Manganese	ppm	2	14	3	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	113	193	52	---
Magnesium	ppm	17	57	12	---
Zinc	ppm	4	26	11	---
Phosphorus	ppm	2119	1292	1261	---
Barium	ppm	<1	0	<1	---
Boron	ppm	26	245	272	---

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. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: DEL782MON
Unique No: 5683286
Signed: Kevin Marson
Report Date: 22 Nov 2023



GRAPHS

