

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 14791 - Swing Drive

Sample No: LH0180127

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



INTERFOR CORP

5060 RTE 430
BRUNSWICK MINE, NB
CA E2A 6W6

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SAMPLE INFORMATION

Sample Number	LH0180127	LH0269532	---	---
Sample Date	27 Dec 2023	10 Oct 2023	---	---
Machine Hours	22000	21000	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 130	● 128	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 3	● 2	---	---
Sodium	ppm	● <1	● 1	---	---
Potassium	ppm	● 1	● 1	---	---



WEAR METALS

Iron	ppm	● 92	● 73	---	---
Copper	ppm	● 33	● 21	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 3	● 2	---	---
Aluminum	ppm	● 1	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 3	● 6	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● <1	● 0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 22	● 15	---	---
Magnesium	ppm	● 5	● 3	---	---
Zinc	ppm	● 14	● 11	---	---
Phosphorus	ppm	● 1655	● 1687	---	---
Barium	ppm	● 0	● <1	---	---
Boron	ppm	● 290	● 309	---	---

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: BATBRU
Unique No: 5709862
Signed: Wes Davis
Report Date: 15 Jan 2024



GRAPHS

