

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 24459 - Left Final Drive

Sample No: LH0220485

Oil Type: LIEBHERR HYPOID 85W-140 EP



SAMPLE INFORMATION

Sample Number	LH0220485	---	---	---
Sample Date	28 Apr 2023	---	---	---
Machine Hours	936	---	---	---
Oil Hours	472	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR MINING EQUIPMENT CO
 5800 S DOUGLAS HWY
 GILLETTE, WY
 US 82718
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 F:



OIL CONDITION

Visc @ 40°C	cSt	● 257	---	---	---
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CONTAMINATION

Silicon	ppm	● 16	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 1	---	---	---

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	● 55	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 205	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 145	---	---	---
Phosphorus	ppm	● 1137	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Depot: LIEGIL
 Unique No: 10456162
 Signed: Don Baldrige
 Report Date: 07 May 2023



GRAPHS

