

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 156305-1215 - Swing Drive

Sample No: LH0278473

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0278473	---	---	---
Sample Date	20 Feb 2024	---	---	---
Machine Hours	536	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Urban Mine

72 Rothwell Rd.
Winnipeg, MB
CA R3P 2H7
Contact: SERVICE



OIL CONDITION

Visc @ 40°C	cSt	● 177	---	---	---
-------------	-----	-------	-----	-----	-----

T: (204)774-0192
F:



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 14	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 3	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

PQ		● 563	---	---	---
Iron	ppm	● 562	---	---	---
Copper	ppm	● 175	---	---	---
Lead	ppm	● 5	---	---	---
Tin	ppm	● 17	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 6	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 46	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 27	---	---	---
Phosphorus	ppm	● 2219	---	---	---
Barium	ppm	● 11	---	---	---
Boron	ppm	● 14	---	---	---

Depot: URBWIN
Unique No: 5734614
Signed: Kevin Marson
Report Date: 23 Feb 2024



GRAPHS

