

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 155749-1215 - Swing Drive

Sample No: LH0286913

Oil Type: GEAR OIL SAE 80W90



MOFFATT SCRAP IRON & METAL INC.
 9620 GUELPH LINE
 CAMPBELLVILLE, ON
 CA L0P 1B0
 Contact: Paul Brochu
 maintenance@moffat scrapiron.ca
 T: (905)854-2792
 F: (905)854-1225



SAMPLE INFORMATION

Sample Number	LH0286913	---	---	---
Sample Date	10 Mar 2024	---	---	---
Machine Hours	497	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 172	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 13	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

PQ		● 645	---	---	---
Iron	ppm	● 644	---	---	---
Copper	ppm	● 182	---	---	---
Lead	ppm	● 4	---	---	---
Tin	ppm	● 17	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 39	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 28	---	---	---
Phosphorus	ppm	● 2198	---	---	---
Barium	ppm	● 10	---	---	---
Boron	ppm	● 10	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. 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.

Depot: MOFMOF
 Unique No: 5746325
 Signed: Kevin Marson
 Report Date: 12 Mar 2024



GRAPHS

