

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40 ML13 - Transmission

Sample No: LHMC122830

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LHMC122830	LHMC103200	---	---
Sample Date	04 Aug 2023	11 May 2023	---	---
Machine Hours	12105	11583	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

OSCAR WINSKI CO. INC
 2407 N. 9TH STREET
 LAFAYETTE, IN
 US 47904
 Contact: PATRICK CHRISTOPHER
 christopherp@oscarwinski.com
 T: (765)427-3691
 F: x:



OIL CONDITION

Visc @ 40°C	cSt	109	111	---	---
-------------	-----	-----	-----	-----	-----



CONTAMINATION

Silicon	ppm	5	4	---	---
Sodium	ppm	8	8	---	---
Potassium	ppm	4	2	---	---



WEAR METALS

Iron	ppm	135	132	---	---
Copper	ppm	565	428	---	---
Lead	ppm	6	0	---	---
Tin	ppm	5	5	---	---
Aluminum	ppm	5	2	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	13	15	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	25	24	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	629	603	---	---
Magnesium	ppm	48	56	---	---
Zinc	ppm	134	220	---	---
Phosphorus	ppm	1460	1363	---	---
Barium	ppm	0	11	---	---
Boron	ppm	13	11	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. Clutch disc wear or oil cooler leaching indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: OSCLAF
Unique No: 10615851
Signed: Don Baldrige
Report Date: 23 Aug 2023



GRAPHS

