

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-139058 - Transmission

Sample No: LHMC85091
 Oil Type: MOBIL 15W40



PACKAGING CORP. OF AMERICA
 N9090 COUNTY RD E
 TOMAHAWK, WI
 US 54487
 Contact: ROSS RICHARD
 rossrichards@packagingcorp.com
 T: (715)453-2131
 F: (715)453-0430



SAMPLE INFORMATION

Sample Number	LHMC85091	LHMC85447	LHMC62851	LHMC82175
Sample Date	30 Nov 2023	17 Aug 2023	04 May 2023	23 Jan 2023
Machine Hours	5101	4098	3081	2000
Oil Hours	1000	1000	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	66.1	66.1	61.6	56.2
-------------	-----	------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	6	8	4
Sodium	ppm	5	11	12	20
Potassium	ppm	0	0	1	0



WEAR METALS

Iron	ppm	23	28	30	25
Copper	ppm	33	41	43	58
Lead	ppm	0	0	0	1
Tin	ppm	3	4	3	2
Aluminum	ppm	5	4	3	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	38	36	28	22
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	8	13	18	10
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	1768	1924	2028	2359
Magnesium	ppm	492	451	403	295
Zinc	ppm	924	916	968	951
Phosphorus	ppm	805	803	841	853
Barium	ppm	0	0	0	0
Boron	ppm	73	76	64	56

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 suitable for further service.

Depot: PACTOM
 Unique No: 10781648
 Signed: Sean Felton
 Report Date: 14 Dec 2023



GRAPHS

