

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-139058 - Transmission

Sample No: LHMC85447
 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	LHMC85447	LHMC62851	LHMC82175	LHMC88101
Sample Date	17 Aug 2023	04 May 2023	23 Jan 2023	19 Oct 2022
Machine Hours	4098	3081	2000	1030
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	61.6	56.2	43.9
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	6	8	4	4
Sodium	ppm	11	12	20	41
Potassium	ppm	0	1	0	3



WEAR METALS

Iron	ppm	28	30	25	27
Copper	ppm	41	43	58	70
Lead	ppm	0	0	1	<1
Tin	ppm	4	3	2	1
Aluminum	ppm	4	3	2	4
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	36	28	22	1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	13	18	10	11
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	1924	2028	2359	3581
Magnesium	ppm	451	403	295	13
Zinc	ppm	916	968	951	1242
Phosphorus	ppm	803	841	853	1153
Barium	ppm	0	0	0	<1
Boron	ppm	76	64	56	6

Diagnosis

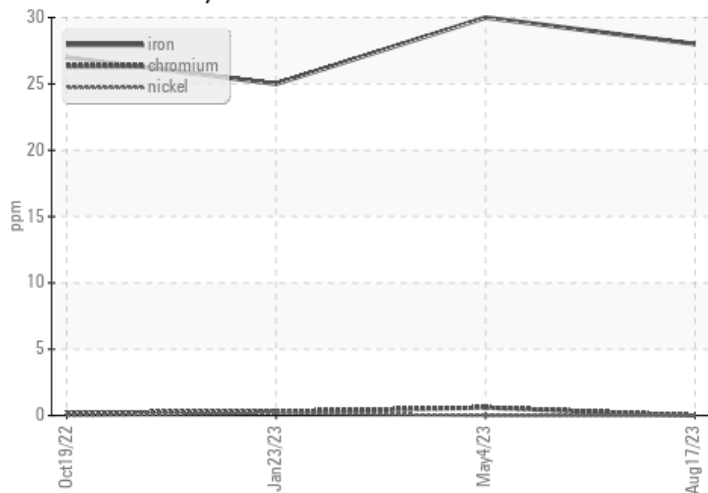
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: PACTOM
 Unique No: 10619859
 Signed: Don Baldrige
 Report Date: 27 Aug 2023

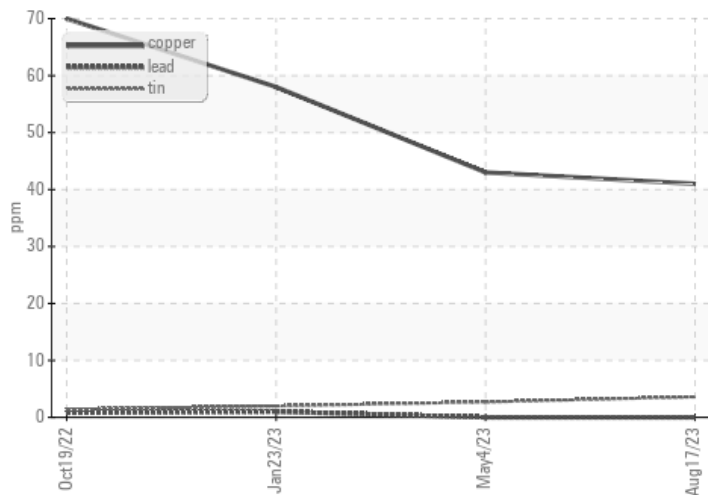


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

