

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 117 616-1216 - Rear Right Wheel Hub

Sample No: LH0278606

Oil Type: SAE 80W90



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
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SAMPLE INFORMATION

Sample Number	LH0278606	LH0277498	LH0265696	LH0257032
Sample Date	08 Feb 2024	05 Nov 2023	11 Jun 2023	12 Apr 2023
Machine Hours	14242	14022	12860	12345
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	103	101	104	98.5



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	2	1
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	2	0	<1	0



WEAR METALS

Iron	ppm	3	9	6	6
Copper	ppm	2	10	4	4
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	12	12	9	11
Magnesium	ppm	1	2	6	2
Zinc	ppm	14	21	20	21
Phosphorus	ppm	969	1286	1381	1334
Barium	ppm	0	<1	0	0
Boron	ppm	236	318	307	306

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: LIEMIS
 Unique No: 5723857
 Signed: Wes Davis
 Report Date: 12 Feb 2024



GRAPHS

