

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 083859-1203 - Rear Left Wheel Hub

Sample No: LH0278944

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0278944	LH0251386	LH0239356	LH0222734
Sample Date	21 Jan 2024	18 Jan 2023	21 Sep 2022	06 Jun 2022
Machine Hours	12230	10073	8941	7687
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

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 TORONTO, ON
 CA M3J 1Z5
 Contact: PETER RACCO
 PETER@RAMIRON.COM
 T: (416)630-4545
 F: (416)630-5258



OIL CONDITION

Visc @ 40°C	cSt	96.0	94.5	102	101
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	5	6	4
Sodium	ppm	<1	<1	1	2
Potassium	ppm	<1	<1	<1	1

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.



WEAR METALS

Iron	ppm	80	61	58	27
Copper	ppm	4	2	4	3
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	12	9	14	9
Magnesium	ppm	2	2	2	<1
Zinc	ppm	25	16	15	14
Phosphorus	ppm	1234	1301	1304	1303
Barium	ppm	0	0	0	0
Boron	ppm	297	308	292	313

Depot: RAMTOR
 Unique No: 5711491
 Signed: Wes Davis
 Report Date: 22 Jan 2024



GRAPHS

