

LIEBHERR

CONSTRUCTION EQUIPMENT



[(355228)] LIEBHERR LH60M 114198-1217 - Front Left Wheel H

Sample No: LH0225131

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0225131	LH0269773	LH0225073	LH0224842
Sample Date	07 Dec 2023	22 Sep 2023	10 Feb 2023	18 Nov 2022
Machine Hours	8004	7355	4980	4073
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

AltaSteel
 9401 34 St NW
 Edmonton, AB
 CA T6B 2X6
 Contact: Richard Bailey
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	96.2	97.4	96.0	100
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CONTAMINATION

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



WEAR METALS

Iron	ppm	22	46	71	76
Copper	ppm	11	23	16	24
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	28	8	13	15
Magnesium	ppm	<1	1	2	2
Zinc	ppm	25	23	23	23
Phosphorus	ppm	1225	1263	1383	1389
Barium	ppm	0	<1	4	7
Boron	ppm	301	317	293	288

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: ALT940EDM
Unique No: 5708324
Signed: Kevin Marson
Report Date: 09 Jan 2024



GRAPHS

