

LIEBHERR

CONSTRUCTION EQUIPMENT



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

Sample No: LH0225130

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0225130	LH0269771	LH0225076	LH0224845
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	97.0	98.4	96.5	101
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CONTAMINATION

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



WEAR METALS

Iron	ppm	17	32	43	33
Copper	ppm	4	11	6	7
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	28	8	10	6
Magnesium	ppm	<1	2	2	2
Zinc	ppm	22	15	16	15
Phosphorus	ppm	1224	1233	1228	1055
Barium	ppm	0	<1	2	5
Boron	ppm	302	316	249	168

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: 5708323
Signed: Kevin Marson
Report Date: 09 Jan 2024



GRAPHS

