

LIEBHERR

CONSTRUCTION EQUIPMENT



[(355228)] LIEBHERR LH60M 114198-1217 - Swing Drive

Sample No: LH0225134

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0225134	LH0224846	LH0224948	LH0224910
Sample Date	07 Dec 2023	18 Nov 2022	12 Aug 2022	12 May 2022
Machine Hours	8004	4073	3039	2055
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	105	103	101	102



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	<1	2	1
Sodium	ppm	3	2	2	3
Potassium	ppm	2	1	<1	1



WEAR METALS

Iron	ppm	84	53	206	91
Copper	ppm	24	27	57	69
Lead	ppm	<1	<1	2	2
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	13	7	13	8
Magnesium	ppm	2	2	1	<1
Zinc	ppm	9	12	16	5
Phosphorus	ppm	1238	995	1238	1600
Barium	ppm	15	0	<1	2
Boron	ppm	285	154	287	226

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: ALT940EDM
Unique No: 5708327
Signed: Kevin Marson
Report Date: 09 Jan 2024



GRAPHS

