

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A944CHD 063266 - Front Axle

Sample No: LH0274438

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0274438	LH0130341	LH0123986	LH0093057
Sample Date	04 Aug 2023	13 Jul 2018	28 Feb 2018	05 Jul 2015
Machine Hours	19020	11950	11203	6000
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

Posner Metals

610 Beach Rd.
Hamilton, ON
CA L8H 3L1
Contact: Oscar Riano
oscar@posner.ca
T: (905)971-6754
F: (905)549-6044



OIL CONDITION

Visc @ 40°C	cSt	103	95.8	102	105
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CONTAMINATION

Silicon	ppm	3	2	3	4
Sodium	ppm	4	<1	2	2
Potassium	ppm	<1	0	<1	0



WEAR METALS

Iron	ppm	4	1	3	5
Copper	ppm	57	22	26	22
Lead	ppm	1	1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2	9	0	3
Magnesium	ppm	<1	4	<1	0
Zinc	ppm	27	16	13	12
Phosphorus	ppm	1550	1274	1469	1531
Barium	ppm	0	0	0	0
Boron	ppm	261	326	253	269

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. Bearing and/or bushing wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: POSHAM
Unique No: 5619967
Signed: Kevin Marson
Report Date: 10 Aug 2023



GRAPHS

