

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A944CHD 063266 - Rear Right Wheel Hub

Sample No: LH0274442

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0274442	LH	LH0130338	LH0123990
Sample Date	04 Aug 2023	21 Mar 2019	13 Jul 2018	28 Feb 2018
Machine Hours	19020	12983	11950	11203
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
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OIL CONDITION

Visc @ 40°C	cSt	101	103	96.4	102
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CONTAMINATION

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



WEAR METALS

Iron	ppm	11	6	3	7
Copper	ppm	91	22	23	32
Lead	ppm	2	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2	7	8	0
Magnesium	ppm	<1	3	4	<1
Zinc	ppm	45	16	16	17
Phosphorus	ppm	1550	1237	1263	1461
Barium	ppm	<1	0	0	0
Boron	ppm	263	324	315	252

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: 5619971
Signed: Kevin Marson
Report Date: 10 Aug 2023



GRAPHS

