

LIEBHERR

CONSTRUCTION EQUIPMENT



[(344443)] LIEBHERR LH24 118108-1251 - Front Differential

Sample No: LH0250461

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



ABC RECYCLING
 8081 MEADOW AVE.
 BURNABY, BC
 CA V3N 2V9
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Sample Information

Sample Number	LH0250461	LH0218500	LH0206363	LH0191812
Sample Date	04 Apr 2024	11 Feb 2022	09 Aug 2021	26 May 2021
Machine Hours	7662	2142	983	512
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	104	187	161	55.6
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	2	1	11
Sodium	ppm	<1	4	3	16
Potassium	ppm	0	<1	<1	2



Wear Metals

Iron	ppm	4	20	7	13
Copper	ppm	<1	2	<1	2
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	2	1	7
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	9	335	328	3540
Magnesium	ppm	1	2	1	13
Zinc	ppm	11	137	138	1460
Phosphorus	ppm	1236	2361	2368	1144
Barium	ppm	0	<1	0	1
Boron	ppm	304	10	11	108

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: ABCBUR
 Unique No: 5772162
 Signed: Wes Davis
 Report Date: 23 Apr 2024



Graphs

