

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH22M 110435-1250 - Rear Differential

Sample No: LH0283998

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



ECOWASTE INDUSTRIES
 4 SPRUCE ST
 NEW WESTMINSTER, BC
 CA V3L 5G6
 Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0283998	LH0148476	LH0148463	LH0148450
Sample Date	31 Jan 2024	16 Apr 2021	08 Jan 2021	18 Sep 2020
Machine Hours	12137	5025	4083	3053
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	106	155	91.7	92.3
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CONTAMINATION

Water	%	NEG	NEG	0.058	NEG
Silicon	ppm	2	2	1	<1
Sodium	ppm	<1	3	2	0
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Iron	ppm	4	9	6	5
Copper	ppm	<1	<1	2	1
Lead	ppm	<1	0	<1	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	5	114	80	80
Magnesium	ppm	<1	1	1	<1
Zinc	ppm	8	23	58	54
Phosphorus	ppm	1241	2027	1228	1254
Barium	ppm	0	<1	<1	<1
Boron	ppm	301	85	305	311

T:
F:

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: ECONEW
 Unique No: 5722915
 Signed: Wes Davis
 Report Date: 06 Feb 2024



GRAPHS

