

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 063551 - Rear Differential

Sample No: LH0260532

Oil Type: PETRO CANADA TRAXON 80W90



SAMPLE INFORMATION

Sample Number	LH0260532	LH0226650	LH0173166	LH0104688
Sample Date	30 Jun 2023	09 Aug 2022	05 Jan 2021	05 Jul 2016
Machine Hours	17789	16175	12937	4375
Oil Hours	1614	2200	1000	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ABC RECYCLING

750C JACKSON RD

NANAIMO, BC

CA V9X 1J2

Contact: Jordie Richmond

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F:



OIL CONDITION

Visc @ 40°C	cSt	● 137	● 142	● 138	● 123
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CONTAMINATION

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



WEAR METALS

Iron	ppm	● 40	● 62	● 60	● 41
Copper	ppm	● 43	83	104	81
Lead	ppm	● <1	● 2	● 3	● 2
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● 0	● 0	● <1	● <1
Molybdenum	ppm	● 0	● 0	● <1	● 0
Nickel	ppm	● 0	● 0	● <1	● 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	● <1	● 1	● 1	● 1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	● 11	● 7	● 3	● 4
Magnesium	ppm	● 2	● 3	● 2	● 0
Zinc	ppm	● 30	● 50	● 57	● 45
Phosphorus	ppm	● 1005	● 978	● 974	● 1079
Barium	ppm	● 0	● 0	● 0	● <1
Boron	ppm	● 248	● 251	● 245	● 232

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: ABCNAN

Unique No: 5605668

Signed: Wes Davis

Report Date: 07 Jul 2023

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GRAPHS

