

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 063551 - Front Differential

Sample No: LH0260531

Oil Type: PETRO CANADA TRAXON 80W90



ABC RECYCLING

750C JACKSON RD

NANAIMO, BC

CA V9X 1J2

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SAMPLE INFORMATION

Sample Number	LH0260531	LH0226649	LH0104687	LH0099364
Sample Date	30 Jun 2023	09 Aug 2022	05 Jul 2016	09 Dec 2015
Machine Hours	17789	16175	4375	3225
Oil Hours	1614	654	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	137	139	97.7	96.9
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CONTAMINATION

Silicon	ppm	8	7	2	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<1	<1	<1



WEAR METALS

Iron	ppm	9	5	15	12
Copper	ppm	15	58	47	24
Lead	ppm	0	2	2	1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	0	<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	5	1	7	17
Magnesium	ppm	4	<1	0	0
Zinc	ppm	17	28	29	22
Phosphorus	ppm	1045	983	1301	1278
Barium	ppm	0	0	<1	<1
Boron	ppm	260	267	268	282

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: 5605642

Signed: Wes Davis

Report Date: 07 Jul 2023



GRAPHS

