

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C 063551 - Transmission (Manual)

Sample No: LH0260530

Oil Type: PETRO CANADA 15W40



ABC RECYCLING
 750C JACKSON RD
 NANAIMO, BC
 CA V9X 1J2
 Contact: Jordie Richmond
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 T: (250)202-8235
 F:



SAMPLE INFORMATION

Sample Number	LH0260530	LH0224855	LH0226648	LH0191966
Sample Date	30 Jun 2023	18 Nov 2022	09 Aug 2022	13 Sep 2021
Machine Hours	17789	16666	16175	14363
Oil Hours	1123	491	1200	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	80.4	83.8	85.2	91.0
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CONTAMINATION

Silicon	ppm	4	4	4	4
Sodium	ppm	2	3	3	6
Potassium	ppm	0	0	1	1



WEAR METALS

Iron	ppm	32	36	45	45
Copper	ppm	35	45	69	86
Lead	ppm	<1	1	2	2
Tin	ppm	1	1	2	2
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	44	44	38	33
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	6	<1
Manganese	ppm	2	3	4	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	806	795	707	624
Magnesium	ppm	722	712	602	538
Zinc	ppm	902	896	789	721
Phosphorus	ppm	1143	1164	1055	1119
Barium	ppm	0	0	0	<1
Boron	ppm	56	53	65	71

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Depot: ABCNAN
 Unique No: 5605631
 Signed: Kevin Marson
 Report Date: 10 Jul 2023



GRAPHS

