

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934C063551- Swing Drive

Sample No: LH0286434

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



ABC RECYCLING
 750C JACKSON RD
 NANAIMO, BC
 CA V9X 1J2
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Sample Information

Sample Number	LH0286434	LH0284063	LH0260523	LH0260528
Sample Date	14 Jun 2024	18 Mar 2024	15 Nov 2023	30 Jun 2023
Machine Hours	19528	19058	18492	17789
Oil Hours	470	566	703	600
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	99.1	101	135	134



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	<1	4	5
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<1	<1	<1



Wear Metals

Iron	ppm	24	30	177	184
Copper	ppm	8	6	12	15
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	0	0	1	2
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	<1	1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	10	12	34	54
Magnesium	ppm	2	1	4	6
Zinc	ppm	11	11	22	32
Phosphorus	ppm	1145	1116	1010	1036
Barium	ppm	<1	0	<1	1
Boron	ppm	289	304	250	251

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: 5800987
 Signed: Wes Davis
 Report Date: 21 Jun 2024



Graphs

