

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 924C 053894-1049 - Swing Drive

Sample No: LH0281101

Oil Type: PETRO CANADA TRAXON 80W90



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



SAMPLE INFORMATION

Sample Number	LH0281101	LH0260516	LH0246833	LH0191960
Sample Date	18 Jan 2024	12 Jun 2023	21 Feb 2023	29 Nov 2021
Machine Hours	18474	17890	17297	14940
Oil Hours	584	593	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	137	138	140	142
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 6	● 3	● 3	● 6
Sodium	ppm	● 0	● 0	● <1	● <1
Potassium	ppm	● <1	● <1	● 0	● <1



WEAR METALS

Iron	ppm	● 186	● 124	● 193	● 105
Copper	ppm	● 7	● 6	● 9	● 5
Lead	ppm	● 0	● 0	● 0	● 2
Tin	ppm	● 0	● <1	● <1	● <1
Aluminum	ppm	● <1	● <1	● <1	● <1
Chromium	ppm	● 1	● <1	● 1	● <1
Molybdenum	ppm	● 0	● <1	● <1	● <1
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	● 1	● 1	● 2	● <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	31	24	● 11	● 7
Magnesium	ppm	● 4	● 4	● 2	● 2
Zinc	ppm	18	17	● 10	● 8
Phosphorus	ppm	● 980	● 1042	● 1077	● 1035
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● 238	● 241	● 249	● 256

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: ABCNAN
 Unique No: 5720735
 Signed: Wes Davis
 Report Date: 26 Jan 2024



GRAPHS

