

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 110456-1216 - Rear Left Wheel Hub

Sample No: LH0277112

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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SAMPLE INFORMATION

Sample Number	LH0277112	LH0277114	LH0234605	LH0246692
Sample Date	13 Oct 2023	13 Oct 2023	01 Apr 2023	15 Dec 2022
Machine Hours	17581	17581	16012	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	99.7	96.9	96.0	89.4



CONTAMINATION

Element	ppm	3	2	2	4
Silicon	ppm	3	2	2	4
Sodium	ppm	<1	2	<1	1
Potassium	ppm	0	1	<1	<1



WEAR METALS

Element	ppm	31	80	36	67
Iron	ppm	31	80	36	67
Copper	ppm	8	6	3	5
Lead	ppm	<1	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Element	ppm	19	14	25	39
Calcium	ppm	19	14	25	39
Magnesium	ppm	3	1	2	3
Zinc	ppm	25	22	60	107
Phosphorus	ppm	1289	1260	1266	1225
Barium	ppm	<1	<1	0	0
Boron	ppm	320	297	296	271

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: JDITRU
Unique No: 5668214
Signed: Wes Davis
Report Date: 23 Oct 2023



GRAPHS

