

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Rear Right Wheel Hub

Sample No: LH0241895

Oil Type: TOTAL FINA TOTAL TRANSMISSION SYN NA 75W90



HUBERT & FILS
 474 ROUTE 105
 BOIS-FRANC, QC
 CA J9E 3A9
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Sample Information

Sample Number	LH0241895	LH0241903	LH0241891	LH0241879
Sample Date	16 Jul 2024	01 Mar 2024	05 Jan 2024	31 Oct 2023
Machine Hours	5043	3900	3235	2739
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	97.5	170	192	181
		●	●	●	●



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● <1	● 1	● 3	● <1
Sodium	ppm	● 7	● 2	● 2	● 1
Potassium	ppm	● 5	● <1	● <1	● 0



Wear Metals

Iron	ppm	● 7	● 9	● 9	● 6
Copper	ppm	● <1	● <1	● <1	● <1
Lead	ppm	● 0	● 0	● 0	● 0
Tin	ppm	0	0	0	0
Aluminum	ppm	● <1	● 0	● <1	● <1
Chromium	ppm	● 0	● 0	● 0	● 0
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	● 0	● 0	● 0	● 0
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	13	● 17	● 20	● 22
Magnesium	ppm	● <1	● 1	● <1	● <1
Zinc	ppm	11	● 6	● 5	● 5
Phosphorus	ppm	803	● 2067	● 2295	● 2288
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	2	● 1	● <1	● 2

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: HUBBOI
 Unique No: 5814310
 Signed: Wes Davis
 Report Date: 18 Jul 2024



Graphs

