

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Rear Left Wheel Hub

Sample No: LH0241884

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	LH0241884	LH0241902	LH0241890	LH0241878
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	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	97.6	169	191	180



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<1	1	3	<1
Sodium	ppm	<1	2	1	2
Potassium	ppm	<1	<1	1	<1



Wear Metals

Iron	ppm	7	9	8	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	0	<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	18	19	22
Magnesium	ppm	<1	1	<1	<1
Zinc	ppm	11	7	5	5
Phosphorus	ppm	840	2070	2265	2317
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: 5814309
Signed: Wes Davis
Report Date: 18 Jul 2024



Graphs

