

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 109093-1216 - Front Right Wheel Hub

Sample No: LH0135540

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0135540	LH0135603	LH0135570	LH0135559
Sample Date	27 Jan 2020	15 Nov 2019	28 Aug 2019	13 May 2019
Machine Hours	4538	3482	2571	1496
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

NORSASK FOREST PRODUCTS
 BOX 9020, 6 kms East on Highway 55
 MEADOW LAKE, SK
 CA S0M 1V7
 Contact: eric wideball
 mechanic@norsask.ca
 T: (306)236-7821
 F: (306)236-4194



OIL CONDITION

Visc @ 40°C	cSt	95.8	99.6	105	120
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 6	● 7	● 6	● 11
Sodium	ppm	● 1	● 2	● 4	● 5
Potassium	ppm	● <1	● 1	● 2	● 1

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.



WEAR METALS

Iron	ppm	● 198	● 237	● 184	● 153
Copper	ppm	● 16	● 27	● 31	● 22
Lead	ppm	● <1	● <1	● 1	● <1
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● <1	● 1	● 1	● 2
Chromium	ppm	● <1	● <1	● <1	● <1
Molybdenum	ppm	● 0	● <1	● <1	● 1
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	<1	<1	0	0
Silver	ppm	● <1	● <1	● <1	● 0
Manganese	ppm	● 2	● 2	● 3	● 2
Vanadium	ppm	● 0	● 0	● 0	● 0



ADDITIVES

Calcium	ppm	● 19	● 14	● 39	● 105
Magnesium	ppm	● <1	● 0	● <1	● 2
Zinc	ppm	● 23	● 22	● 32	● 43
Phosphorus	ppm	● 1448	● 1546	● 1563	● 1768
Barium	ppm	● 0	● 0	● <1	● 0
Boron	ppm	● 234	● 229	● 186	● 124

Depot: NORMEA
 Unique No: 4994391
 Signed: Wes Davis
 Report Date: 30 Jan 2020



GRAPHS

