

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 097459-1216 - Front Right Wheel Hub

Sample No: LH0180228

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



J.D. Irving
 Truro Sawmill, 529 Valley Dale Road
 Truro, NS
 CA B2N 5C5
 Contact: Sheldon Richardson
 richardson.sheldon@jdirving.com
 T: (902)890-9419
 F:



SAMPLE INFORMATION

Sample Number	LH0180228	LH	LH0139125	LH0136433
Sample Date	06 Oct 2020	07 Jul 2020	01 Mar 2020	08 Nov 2019
Machine Hours	0	0	13987	12584
Oil Hours	0	0	0	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	94.4	86.0	89.6	90.1
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CONTAMINATION

Silicon	ppm	3	3	5	3
Sodium	ppm	2	<1	<1	<1
Potassium	ppm	<1	2	<1	<1



WEAR METALS

Iron	ppm	54	35	70	47
Copper	ppm	7	7	8	10
Lead	ppm	0	<1	0	<1
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	<1	<1	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	29	21	29	46
Magnesium	ppm	4	5	6	8
Zinc	ppm	16	20	23	26
Phosphorus	ppm	1266	1244	1305	1279
Barium	ppm	0	0	0	0
Boron	ppm	309	301	331	320

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: 5122518
 Signed: Wes Davis
 Report Date: 22 Oct 2020



GRAPHS

