

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 083859-1203 - Front Differential

Sample No: LH0278940

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0278940	LH0251383	LH0234705	LH0222729
Sample Date	21 Jan 2024	18 Jan 2023	21 Sep 2022	06 Jun 2022
Machine Hours	12230	10073	8941	7687
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RAM IRON AND METAL

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 TORONTO, ON
 CA M3J 1Z5
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OIL CONDITION

Visc @ 40°C	cSt	103	95.5	105	104
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	2	3
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	0	<1	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	6	1	2	5
Copper	ppm	12	5	13	4
Lead	ppm	<1	0	<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	<1	<1	0	0
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	8	8	13	8
Magnesium	ppm	2	2	2	1
Zinc	ppm	16	13	16	9
Phosphorus	ppm	1240	1304	1303	1315
Barium	ppm	0	0	0	<1
Boron	ppm	310	312	296	318

Depot: RAMTOR
 Unique No: 5711496
 Signed: Wes Davis
 Report Date: 22 Jan 2024



GRAPHS

