

LIEBHERR

CONSTRUCTION EQUIPMENT



062154-1049 - Front Differential

Sample No: LH0123035

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0123035	LH0202949	LH0222347	LH0215982
Sample Date	26 Oct 2023	22 Jun 2023	10 May 2022	11 Nov 2021
Machine Hours	12421	12090	11897	11462
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal

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OIL CONDITION

Visc @ 40°C	cSt	99.5	96.7	99.9	99.9
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CONTAMINATION

Silicon	ppm	1	<1	2	<1
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	0	<1	<1	1



WEAR METALS

Iron	ppm	3	2	4	3
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	0	0	0
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	<1	<1	0	<1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	6	6	3	2
Magnesium	ppm	<1	<1	0	0
Zinc	ppm	5	6	5	3
Phosphorus	ppm	1302	1340	1435	1426
Barium	ppm	0	0	0	0
Boron	ppm	299	305	311	291

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: BAKOTT
Unique No: 5670462
Signed: Wes Davis
Report Date: 01 Nov 2023



GRAPHS

