

LIEBHERR

CONSTRUCTION EQUIPMENT



056255-1007 - Front Differential

Sample No: LH0270062

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0270062	LH0235494	LH0133034	LH0057817
Sample Date	14 Jul 2023	27 Jun 2022	24 Oct 2018	10 Feb 2012
Machine Hours	16930	0	14295	1243
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal
 9100 BOUL HENRI-BOURASSA EST
 MONTREAL, QC
 CA H1E 2S4
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OIL CONDITION

Visc @ 40°C	cSt	104	103	134	186
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CONTAMINATION

Silicon	ppm	1	2	4	4
Sodium	ppm	<1	<1	1	1
Potassium	ppm	<1	<1	0	1



WEAR METALS

Iron	ppm	1	3	25	23
Copper	ppm	<1	4	64	34
Lead	ppm	0	0	2	2
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	<1	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	2	0
Manganese	ppm	0	<1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	7	5	3	3
Magnesium	ppm	2	2	1	<1
Zinc	ppm	12	17	33	21
Phosphorus	ppm	1222	1236	1029	1154
Barium	ppm	0	0	8	367
Boron	ppm	287	314	250	2

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: AMEMON
Unique No: 5616545
Signed: Wes Davis
Report Date: 21 Jul 2023



GRAPHS

