

LIEBHERR

CONSTRUCTION EQUIPMENT



056255-1007 - Front Left Final Drive

Sample No: LH0270063

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0270063	LH0235500	LH0133039	LH0057820
Sample Date	14 Jul 2023	27 Jun 2022	24 Oct 2018	10 Feb 2012
Machine Hours	16930	0	14295	220
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

American Iron and Metal

9100 BOUL HENRI-BOURASSA EST
MONTREAL, QC
CA H1E 2S4
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OIL CONDITION

Visc @ 40°C	cSt	115	166	137	117
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CONTAMINATION

Silicon	ppm	12	12	11	21
Sodium	ppm	6	5	4	12
Potassium	ppm	2	5	2	8



WEAR METALS

Iron	ppm	101	113	153	139
Copper	ppm	27	23	56	43
Lead	ppm	<1	2	2	2
Tin	ppm	0	0	0	0
Aluminum	ppm	4	4	3	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	2	<1
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	4	4	4
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	17	26	12	134
Magnesium	ppm	4	4	2	3
Zinc	ppm	57	27	63	93
Phosphorus	ppm	1394	1870	636	2116
Barium	ppm	<1	<1	<1	8
Boron	ppm	138	20	61	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: 5616541
Signed: Wes Davis
Report Date: 21 Jul 2023



GRAPHS

