

LIEBHERR

CONSTRUCTION EQUIPMENT



056255-1007 - Rear Differential

Sample No: LH0270060

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0270060	LH0235495	LH0133035	LH0057814
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	104	117	108
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CONTAMINATION

Silicon	ppm	2	3	8	11
Sodium	ppm	2	2	4	4
Potassium	ppm	<1	<1	2	3

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	13	30	94	56
Copper	ppm	13	35	116	67
Lead	ppm	0	1	3	3
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	<1	2	1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	1	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	11	20	35	94
Magnesium	ppm	2	2	2	2
Zinc	ppm	31	46	44	74
Phosphorus	ppm	1261	1288	1486	2065
Barium	ppm	0	<1	2	5
Boron	ppm	276	268	91	3

Depot: AMEMON
Unique No: 5616543
Signed: Wes Davis
Report Date: 21 Jul 2023



GRAPHS

