

LIEBHERR

CONSTRUCTION EQUIPMENT



053548-1006 - Front Differential

Sample No: LH0277058

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

Sample Number	LH0277058	LH0180113	LH0145397	LH0073095
Sample Date	04 Oct 2023	05 Jan 2022	23 Aug 2019	22 Oct 2013
Machine Hours	10216	8682	0	2995
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

American Iron and Metal
 PIER 10, 1 PROTECTION ST
 SAINT JOHN, NB
 CA E2M 5S8
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OIL CONDITION

Visc @ 40°C	cSt	102	136	136	138
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CONTAMINATION

Silicon	ppm	4	3	2	2
Sodium	ppm	<1	<1	0	<1
Potassium	ppm	0	<1	<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	7	16	18	14
Copper	ppm	4	18	19	13
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	0	<1	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	15	<1	<1	0
Magnesium	ppm	3	0	<1	2
Zinc	ppm	12	10	10	7
Phosphorus	ppm	1305	1024	1046	1005
Barium	ppm	<1	7	8	6
Boron	ppm	325	229	247	222

Depot: AME10STJ
Unique No: 5670795
Signed: Wes Davis
Report Date: 02 Nov 2023



GRAPHS

