

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 045705-1491 - Right Final Drive

Sample No: LH0265683

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	<b>LH0265683</b>	LH0213924	LH0215200	LH0186260
Sample Date	<b>01 May 2023</b>	02 Dec 2022	07 Dec 2021	11 Mar 2021
Machine Hours	<b>4919</b>	3979	2976	2015
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

American Iron and Metal

1273 Kelly Lake Rd.

Sudbury, ON

CA P3E 5P5

Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	<b>99.1</b>	98.1	107	106
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T:

F:



#### CONTAMINATION

Water	%	---	---	---	<b>0.177</b>
Silicon	ppm	<b>10</b>	28	89	992
Sodium	ppm	<b>6</b>	14	30	77
Potassium	ppm	<b>&lt;1</b>	3	7	67

#### 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

PQ		---	---	---	<b>269</b>
Iron	ppm	<b>36</b>	102	144	2702
Copper	ppm	<b>&lt;1</b>	<1	1	30
Lead	ppm	<b>0</b>	<1	<1	13
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>2</b>	6	19	249
Chromium	ppm	<b>&lt;1</b>	1	2	27
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	2
Nickel	ppm	<b>&lt;1</b>	1	2	38
Titanium	ppm	<b>&lt;1</b>	<1	2	13
Silver	ppm	<b>0</b>	0	<1	<1
Manganese	ppm	<b>&lt;1</b>	<1	1	24
Vanadium	ppm	<b>0</b>	<1	<1	2



#### ADDITIVES

Calcium	ppm	<b>56</b>	107	344	117
Magnesium	ppm	<b>3</b>	4	12	70
Zinc	ppm	<b>21</b>	51	146	51
Phosphorus	ppm	<b>1319</b>	1364	1318	1497
Barium	ppm	<b>8</b>	7	7	4
Boron	ppm	<b>317</b>	261	216	167

Depot: AIMSUD

Unique No: 5618857

Signed: Wes Davis

Report Date: 02 Aug 2023



### GRAPHS

