

LIEBHERR

CONSTRUCTION EQUIPMENT



045705-1491 - Left Final Drive

Sample No: LH0281285

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0281285	LH0265682	LH0186922	LH0215203
Sample Date	05 May 2024	01 May 2023	02 Dec 2022	07 Dec 2021
Machine Hours	5888	4919	3974	2976
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	98.5	73.6	113	107
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T:

F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	109	10	31	242
Sodium	ppm	15	9	69	9
Potassium	ppm	11	1	3	16

Diagnosis

We recommend an early resample to monitor this condition. 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		---	---	---	270
Iron	ppm	243	52	193	1242
Copper	ppm	2	1	1	2
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	32	2	6	31
Chromium	ppm	2	<1	3	15
Molybdenum	ppm	0	<1	<1	1
Nickel	ppm	3	<1	3	2
Titanium	ppm	2	<1	<1	2
Silver	ppm	0	0	0	<1
Manganese	ppm	2	<1	1	9
Vanadium	ppm	0	0	<1	<1



Additives

Calcium	ppm	21	16	18	20
Magnesium	ppm	11	3	4	6
Zinc	ppm	15	21	24	14
Phosphorus	ppm	1259	1283	1294	1285
Barium	ppm	23	102	1758	0
Boron	ppm	291	282	270	204

Depot: AIMSUD

Unique No: 5776177

Signed: Kevin Marson

Report Date: 13 May 2024



Graphs

