

LIEBHERR

CONSTRUCTION EQUIPMENT



042990-1491-Left Final Drive

Sample No: LH0277805

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

Sample Number	LH0277805	LH0234922	LH	LH0137334
Sample Date	27 Nov 2023	19 Jul 2022	27 Jul 2021	02 Apr 2019
Machine Hours	6947	5990	5011	2398
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

Delsan - American Iron and Metal
 2187 Montee Masson
 Laval, QC
 CA H7B 0A6
 Contact: MANNY MARQUES
 mmarques@delsan-aim.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	84.3	92.1	94.5	86.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	72	22	11
Sodium	ppm	2	3	1	1
Potassium	ppm	2	6	3	1



WEAR METALS

PQ		---	52	---	---
Iron	ppm	144	656	89	81
Copper	ppm	<1	<1	<1	0
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	4	19	6	2
Chromium	ppm	2	8	1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	1	4	1	2
Titanium	ppm	<1	11	3	2
Silver	ppm	<1	0	<1	0
Manganese	ppm	1	7	<1	<1
Vanadium	ppm	0	<1	<1	<1



ADDITIVES

Calcium	ppm	31	150	34	40
Magnesium	ppm	5	23	4	10
Zinc	ppm	6	17	8	34
Phosphorus	ppm	1179	1235	1271	1223
Barium	ppm	<1	5	1	1
Boron	ppm	267	246	305	296

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: DEL782MON
Unique No: 5684612
Signed: Wes Davis
Report Date: 29 Nov 2023



GRAPHS

