

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L566 054116-1484 - Transmission (Manual)

Sample No: LH0281172

Oil Type: PETRO CANADA DURATRAN



SAMPLE INFORMATION

Sample Number	LH0281172	LH0281152	LH0135632	---
Sample Date	26 Jan 2024	04 Jan 2024	14 Dec 2021	---
Machine Hours	9754	9598	5482	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---

Abbycel Substrate Ltd.
 3545 Ross Road
 Abbotsford, BC
 CA V4X 1M6
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	41.3	35.4	36.6	---
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T:
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	10	8	8	---
Sodium	ppm	1	3	9	---
Potassium	ppm	<1	1	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 fluid. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	37	34	50	---
Copper	ppm	<1	1	3	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	2	1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3830	3267	3248	---
Magnesium	ppm	17	10	11	---
Zinc	ppm	1474	1339	1366	---
Phosphorus	ppm	1205	1108	1187	---
Barium	ppm	0	0	0	---
Boron	ppm	107	89	96	---

Depot: ABB354ABB
 Unique No: 5721971
 Signed: Bill Quesnel
 Report Date: 01 Feb 2024



GRAPHS

