

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 074359-1760 - Diesel Engine

Sample No: LH0281086

Oil Type: PETRO CANADA 10W40



#### SAMPLE INFORMATION

Sample Number	LH0281086	LH0271270	---	---
Sample Date	10 Jan 2024	06 Nov 2023	---	---
Machine Hours	0	562	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**RICHMOND STEEL RECYCLING**

11760 MITCHELL ROAD

RICHMOND, BC

CA V6V 1V8

Contact: Aaron Kaetler

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T:

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#### OIL CONDITION

Visc @ 100°C	cSt	13.7	11.7	---	---
Oxidation (PA)	%	67	204	---	---



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	49	91	---	---
Sulfation (PA)	%	56	110	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	5	12	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	0	2	---	---

#### 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	3	8	---	---
Copper	ppm	20	166	---	---
Lead	ppm	<1	7	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	55	44	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	3	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	1033	1290	---	---
Magnesium	ppm	928	894	---	---
Zinc	ppm	1110	839	---	---
Phosphorus	ppm	985	703	---	---
Barium	ppm	2	23	---	---
Boron	ppm	8	89	---	---

Depot: RIC117RIC

Unique No: 5709786

Signed: Kevin Marson

Report Date: 15 Jan 2024



### GRAPHS

