

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LR636 017973-1275 - Diesel Engine

Sample No: LH0274569

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH0274569	---	---	---
Sample Date	29 Aug 2023	---	---	---
Machine Hours	5150	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

CON-DRAIN LTD.
 30 FLORAL PARKWAY
 CONCORD, ON
 CA L4K 4R1
 Contact: B BAXTER
 B.BAXTER@CONDRAIN.COM
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	10.9	---	---	---
Oxidation (PA)	%	67	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	77	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	9	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	<1	---	---	---

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	6	---	---	---
Copper	ppm	3	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	59	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1028	---	---	---
Magnesium	ppm	984	---	---	---
Zinc	ppm	1186	---	---	---
Phosphorus	ppm	1049	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	2	---	---	---

Depot: CON30CON
Unique No: 5633243
Signed: Wes Davis
Report Date: 05 Sep 2023



GRAPHS

