

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 71616 - Diesel Engine

Sample No: LH0270318

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH0270318	---	---	---
Sample Date	25 Sep 2023	---	---	---
Machine Hours	2888	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
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 CA L7L 5Z8
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OIL CONDITION

Visc @ 100°C	cSt	13.5	---	---	---
Oxidation (PA)	%	63	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	2	---	---	---
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. Viscosity of sample indicates oil is within SAE 40 range, advise investigate. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	4	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	59	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1047	---	---	---
Magnesium	ppm	965	---	---	---
Zinc	ppm	1181	---	---	---
Phosphorus	ppm	975	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	4	---	---	---

Depot: LIEMIS
 Unique No: 5646225
 Signed: Bill Quesnel
 Report Date: 26 Sep 2023



GRAPHS

