

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS8100.1186046 - Diesel Engine

Sample No: LH0277543

Oil Type: PETRO CANADA SUPREME 5W30



SAMPLE INFORMATION

Sample Number	LH0277543	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	3909	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



OIL CONDITION

Visc @ 100°C	cSt	12.3	---	---	---
Oxidation (PA)	%	115	---	---	---

T: (519)631-4095

F: (519)631-2745



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	94	---	---	---
Sulfation (PA)	%	70	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	5	---	---	---
Sodium	ppm	5	---	---	---
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	7	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	60	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	843	---	---	---
Magnesium	ppm	1120	---	---	---
Zinc	ppm	1226	---	---	---
Phosphorus	ppm	1001	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	18	---	---	---

Depot: HIGSTT

Unique No: 5721131

Signed: Bill Quesnel

Report Date: 30 Jan 2024



GRAPHS

