

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 76207 - Diesel Engine

Sample No: LH0284821

Oil Type: LIEBHERR MOTOROIL 10W-40



Sample Information

Sample Number	LH0284821	---	---	---
Sample Date	06 Jun 2024	---	---	---
Machine Hours	560	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

MODERN CONSTRUCTION (1983) LTD.
 364 BRIGGS CROSS ROAD
 STILESVILLE, NB
 CA E1G 3G3
 Contact: Blaine Cail
 blaine.cail@moderngroup.ca
 T:
 F:



Oil Condition

Visc @ 40°C	cSt	73.5	---	---	---
Visc @ 100°C	cSt	12.1	---	---	---
Viscosity Index (VI)	Scale	161	---	---	---
Oxidation (PA)	%	199	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



Contamination

Water	%	NEG	---	---	---
Soot %	%	0	---	---	---
Nitration (PA)	%	97	---	---	---
Sulfation (PA)	%	109	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	17	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---



Wear Metals

Iron	ppm	11	---	---	---
Copper	ppm	255	---	---	---
Lead	ppm	8	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	48	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	1333	---	---	---
Magnesium	ppm	968	---	---	---
Zinc	ppm	916	---	---	---
Phosphorus	ppm	744	---	---	---
Barium	ppm	23	---	---	---
Boron	ppm	73	---	---	---

Depot: MODSTI
Unique No: 5799481
Signed: Kevin Marson
Report Date: 17 Jun 2024



Graphs

