

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 070058-1761- Diesel Engine

Sample No: LH0246477

Oil Type: CO-OP D-MO SAE 10W30



SAMPLE INFORMATION

Sample Number	LH0246477	LH0260166	---	---
Sample Date	19 Jul 2023	19 May 2023	---	---
Machine Hours	1494	1026	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Gravier Collet Gravel

SW31-6-8W

Notre Dame de Lourdes, MB

CA R0G 1M0

Contact: Service Manager



OIL CONDITION

Visc @ 100°C	cSt	11.3	12.3	---	---
Oxidation (PA)	%	76	160	---	---

T:

F:



CONTAMINATION

Soot %	%	0	0	---	---
Nitration (PA)	%	79	83	---	---
Sulfation (PA)	%	59	92	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	9	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	<1	<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	4	5	---	---
Copper	ppm	3	7	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	3	3	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	88	96	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2154	2231	---	---
Magnesium	ppm	35	173	---	---
Zinc	ppm	1188	1128	---	---
Phosphorus	ppm	1074	1070	---	---
Barium	ppm	<1	2	---	---
Boron	ppm	47	95	---	---

Depot: GRANOT

Unique No: 5617247

Signed: Kevin Marson

Report Date: 26 Jul 2023



GRAPHS

