

LIEBHERR

CONSTRUCTION EQUIPMENT



144379-1218 - Diesel Engine

Sample No: LH0255210

Oil Type: DIESEL ENGINE OIL SAE 40



SAMPLE INFORMATION

Sample Number	LH0255210	LH0255199	---	---
Sample Date	06 Dec 2023	09 Jun 2023	---	---
Machine Hours	2248	1110	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

American Iron and Metal

10305 Metropolitaine Est, Garage porte 13
 Montreal, QC
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	13.6	13.0	---	---
Oxidation (PA)	%	74	85	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	83	83	---	---
Sulfation (PA)	%	60	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	7	7	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	2	1	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.
 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	4	---	---
Copper	ppm	2	5	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	4	2	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	93	80	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	2291	2139	---	---
Magnesium	ppm	33	166	---	---
Zinc	ppm	1201	1132	---	---
Phosphorus	ppm	1007	1040	---	---
Barium	ppm	<1	3	---	---
Boron	ppm	39	53	---	---

Depot: LACMON
 Unique No: 5695662
 Signed: Wes Davis
 Report Date: 12 Dec 2023



GRAPHS

