

LIEBHERR

CONSTRUCTION EQUIPMENT



056328-1783 - Diesel Engine

Sample No: LH0252383

Oil Type: DIESEL ENGINE OIL SAE 40



SAMPLE INFORMATION

Sample Number	LH0252383	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	1314	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

American Iron and Metal

10305 Metropolitaine Est, Garage porte 13
 Montreal, QC
 CA H1B 1A1
 Contact: Sebastien Liautaud
 sliautaud@aimrecyclinggroup.com
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	12.7	---	---	---
Oxidation (PA)	%	83	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	80	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	4	---	---	---
Potassium	ppm	12	---	---	---

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. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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	8	---	---	---
Copper	ppm	57	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	5	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	86	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2117	---	---	---
Magnesium	ppm	160	---	---	---
Zinc	ppm	1086	---	---	---
Phosphorus	ppm	1001	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	24	---	---	---

Depot: LACMON
 Unique No: 5644565
 Signed: Wes Davis
 Report Date: 19 Sep 2023



GRAPHS

