



CONSTRUCTION EQUIPMENT

VOLVO L150H 7248 - DIESEL ENGINE



Sample No: VCP418074
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

Sample Number	VCP418074	---	---	---
Sample Date	01 Sep 2023	---	---	---
Machine Hours	253	---	---	---
Oil Hours	253	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MARYLAND ENVIRONMENTAL SERVICES
 21210 MARTINSBURG RD
 DICKERSON, MD
 US 20842
 Contact: ALAN PARRISH
 aparr@menv.com
 T: (301)428-8185
 F: (301)428-8311



OIL CONDITION

Visc @ 100°C	cSt	█ 11.4	---	---	---
Base Number (BN)	mg KOH/g	█ 7.0	---	---	---
Oxidation (PA)	%	54	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	69	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.5	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	▲ 78	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 83	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2242	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 1278	---	---	---
Phosphorus	ppm	█ 1038	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 66	---	---	---

Depot: MARDIC
Unique No: 10644722
Signed: Don Baldrige
Report Date: 14 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

