



CONSTRUCTION EQUIPMENT

X20319 VOLVO L70H 623160 - DIESEL ENGINE



Sample No: VCP395180
Oil Type: DIESEL ENGINE OIL SAE 40
Job No: X20319



SAMPLE INFORMATION

Sample Number	VCP395180	---	---	---
Sample Date	13 Jan 2023	---	---	---
Machine Hours	8975	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

HOUSBY HEAVY EQUIPMENT

PO BOX 1846
 CEDAR RAPIDS, IA
 US 52406
 Contact: JUSTIN JOHNSON
 jjohnson@housby.com
 T:
 F: (319)365-2525



OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	54	---	---	---

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	37	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 85	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1334	---	---	---
Magnesium	ppm	█ 373	---	---	---
Zinc	ppm	█ 1053	---	---	---
Phosphorus	ppm	█ 878	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 383	---	---	---

Depot: VOLVO0074
Unique No: 10296895
Signed: Wes Davis
Report Date: 20 Jan 2023



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GRAPHS

