



CONSTRUCTION EQUIPMENT

VOLVO L120H 633562 - DIESEL ENGINE



Sample No: VCP383887
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP383887	---	---	---
Sample Date	17 Jun 2024	---	---	---
Machine Hours	530	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	71	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 12	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 12	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 22	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1541	---	---	---
Magnesium	ppm	█ 578	---	---	---
Zinc	ppm	█ 1169	---	---	---
Phosphorus	ppm	█ 916	---	---	---
Barium	ppm	█ 10	---	---	---
Boron	ppm	█ 58	---	---	---

Depot: LEOMAD
Unique No: 11098977
Signed: Wes Davis
Report Date: 27 Jun 2024



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GRAPHS

