



CONSTRUCTION EQUIPMENT

SW1034414 VOLVO L260H 1307 - DIESEL ENGINE



Sample No: VCP337888
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW1034414



SAMPLE INFORMATION

Sample Number	VCP337888	---	---	---
Sample Date	09 May 2024	---	---	---
Machine Hours	3196	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	● 11.3	---	---	---
Base Number (BN)	mg KOH/g	▲ 3.2	---	---	---
Oxidation (PA)	%	124	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 1.2	---	---	---
Nitration (PA)	%	136	---	---	---
Sulfation (PA)	%	90	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 1.4	---	---	---
Silicon	ppm	▲ 204	---	---	---
Sodium	ppm	■ 27	---	---	---
Potassium	ppm	■ 34	---	---	---



WEAR METALS

Iron	ppm	▲ 268	---	---	---
Copper	ppm	▲ 308	---	---	---
Lead	ppm	▲ 57	---	---	---
Tin	ppm	▲ 63	---	---	---
Aluminum	ppm	▲ 219	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 93	---	---	---
Nickel	ppm	▲ 11	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 12	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2314	---	---	---
Magnesium	ppm	■ 56	---	---	---
Zinc	ppm	■ 1245	---	---	---
Phosphorus	ppm	■ 995	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 11	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Piston and cylinder wear is indicated. Bearing and/or bushing wear is indicated. Valve wear is indicated. Fuel content negligible. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. The BN level is low. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO6174
Unique No: 11022488
Signed: Jonathan Hester
Report Date: 16 May 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

