



CONSTRUCTION EQUIPMENT

VOLVO A25G 740206 - DIESEL ENGINE



Sample No: VCP426568
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP426568	VCP200388	---	---
Sample Date	29 Nov 2023	20 Jun 2016	---	---
Machine Hours	5975	497	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.6	11.00	---	---
Base Number (BN)	mg KOH/g	■ 9.5	---	---	---
Oxidation (PA)	%	■ 73	■ 56	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	■ 0.1	■ 0.1	---	---
Nitration (PA)	%	■ 59	■ 50	---	---
Sulfation (PA)	%	■ 56	■ 50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	■ 1.4	<1.0	---	---
Silicon	ppm	■ 5	■ 49	---	---
Sodium	ppm	■ 2	■ 4	---	---
Potassium	ppm	■ 0	■ 2	---	---



WEAR METALS

Iron	ppm	■ 4	■ 17	---	---
Copper	ppm	■ 0	▲ 845	---	---
Lead	ppm	■ 0	■ 1	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ <1	■ 2	---	---
Chromium	ppm	■ 0	■ <1	---	---
Molybdenum	ppm	■ 49	■ <1	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	■ 0	■ 0	---	---
Manganese	ppm	■ 0	■ 5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 1833	■ 2451	---	---
Magnesium	ppm	■ 648	15	---	---
Zinc	ppm	■ 1279	■ 1129	---	---
Phosphorus	ppm	■ 1074	■ 884	---	---
Barium	ppm	■ 0	■ 2	---	---
Boron	ppm	■ 57	■ 3	---	---

Depot: VOLVO0090
Unique No: 10767392
Signed: Jonathan Hester
Report Date: 08 Dec 2023



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GRAPHS

