



CONSTRUCTION EQUIPMENT

25341 VOLVO A40G 353232 - DIESEL ENGINE



Sample No: VCP440924
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 25341



SAMPLE INFORMATION

Sample Number	VCP440924	---	---	---
Sample Date	29 Mar 2024	---	---	---
Machine Hours	1378	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	● 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 8.0	---	---	---
Oxidation (PA)	%	87	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Valve wear is indicated. 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. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	93	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 48	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 47	---	---	---
Nickel	ppm	▲ 7	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1815	---	---	---
Magnesium	ppm	■ 451	---	---	---
Zinc	ppm	■ 1117	---	---	---
Phosphorus	ppm	■ 966	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 28	---	---	---

Depot: VOLVO3387
Unique No: 10965823
Signed: Jonathan Hester
Report Date: 15 Apr 2024



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GRAPHS

