



CONSTRUCTION EQUIPMENT

X18190 APAC VOLVO A40G 352887 - DIESEL ENGINE



Sample No: VCP428616
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X18190 APAC



SAMPLE INFORMATION

Sample Number	VCP428616	---	---	---
Sample Date	02 Feb 2024	---	---	---
Machine Hours	4068	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	84	---	---	---

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



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	76	---	---	---
Sulfation (PA)	%	65	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 39	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 35	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	▲ 8	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1720	---	---	---
Magnesium	ppm	█ 530	---	---	---
Zinc	ppm	█ 1242	---	---	---
Phosphorus	ppm	█ 952	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 45	---	---	---

Depot: VOLVO8771
Unique No: 10869640
Signed: Jonathan Hester
Report Date: 09 Feb 2024



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GRAPHS

