



CONSTRUCTION EQUIPMENT

X18416 VOLVO A40G 353135 - DIESEL ENGINE



Sample No: VCP445382
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X18416



SAMPLE INFORMATION

Sample Number	VCP445382	---	---	---
Sample Date	20 Mar 2024	---	---	---
Machine Hours	3526	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	83	---	---	---

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. Tests indicate that there is no fuel present in the oil. 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)	%	66	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.5	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1831	---	---	---
Magnesium	ppm	█ 498	---	---	---
Zinc	ppm	█ 1144	---	---	---
Phosphorus	ppm	█ 1083	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 54	---	---	---

Depot: APABEN
Unique No: 10941004
Signed: Sean Felton
Report Date: 26 Mar 2024



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GRAPHS

