



CONSTRUCTION EQUIPMENT

VOLVO A40G 352506 - DIESEL ENGINE



Sample No: VCP438915
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP438915	---	---	---
Sample Date	21 Dec 2023	---	---	---
Machine Hours	6388	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 FORT MYERS, FL
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.2	---	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	81	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	70	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.4	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 51	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1594	---	---	---
Magnesium	ppm	█ 514	---	---	---
Zinc	ppm	█ 1065	---	---	---
Phosphorus	ppm	█ 925	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 28	---	---	---

Depot: VOLVO0090
Unique No: 10806376
Signed: Wes Davis
Report Date: 28 Dec 2023



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GRAPHS

