



CONSTRUCTION EQUIPMENT

606727 MORETRENCH EN VOLVO SD115B 237093 - DIESEL ENGINE



Sample No: VCP426152
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 606727 MORETRENCH EN



SAMPLE INFORMATION

Sample Number	VCP426152	---	---	---
Sample Date	15 Sep 2023	---	---	---
Machine Hours	894	---	---	---
Oil Hours	894	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.4	---	---	---
Oxidation (PA)	%	76	---	---	---



CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 2.5	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 52	---	---	---



WEAR METALS

Iron	ppm	█ 36	---	---	---
Copper	ppm	█ 39	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 23	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 32	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1645	---	---	---
Magnesium	ppm	█ 396	---	---	---
Zinc	ppm	█ 1071	---	---	---
Phosphorus	ppm	█ 845	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 15	---	---	---

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. Metal levels are typical for a components first oil change. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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.

Depot: VOLVO0093
Unique No: 10688791
Signed: Wes Davis
Report Date: 16 Oct 2023



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GRAPHS

