



CONSTRUCTION EQUIPMENT

SW-24201-2 VOLVO ECR145E 316420 - DIESEL ENGINE



Sample No: VCP432512
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-24201-2



SAMPLE INFORMATION

Sample Number	VCP432512	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	555	---	---	---
Oil Hours	555	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 6.8	---	---	---
Oxidation (PA)	%	42	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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 suitable for further service.



CONTAMINATION

Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 19	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 38	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 11	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2317	---	---	---
Magnesium	ppm	87	---	---	---
Zinc	ppm	█ 1097	---	---	---
Phosphorus	ppm	█ 929	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8770
Unique No: 10660728
Signed: Wes Davis
Report Date: 25 Sep 2023



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GRAPHS

