



CONSTRUCTION EQUIPMENT

25626 VOLVO EC220E 316118 - DIESEL ENGINE



Sample No: VCP06178308
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 25626



SAMPLE INFORMATION

Sample Number	VCP06178308	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	516	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 NORTH CHARLESTON, SC
 US 29418
 Contact: MATT MITCHAM
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 6.3	---	---	---
Oxidation (PA)	%	49	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 14	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 25	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2302	---	---	---
Magnesium	ppm	█ 168	---	---	---
Zinc	ppm	█ 1160	---	---	---
Phosphorus	ppm	█ 1021	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 91	---	---	---

Depot: VOLVO3387
Unique No: 11029634
Signed: Wes Davis
Report Date: 14 May 2024



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GRAPHS

