



CONSTRUCTION EQUIPMENT

716771 HILLSBOROUGH VOLVO EW160E 323446 - DIESEL ENGINE



Sample No: VCP451486
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 716771 HILLSBOROUGH



SAMPLE INFORMATION

Sample Number	VCP451486	---	---	---
Sample Date	23 May 2024	---	---	---
Machine Hours	8720	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	█ 5.2	---	---	---
Oxidation (PA)	%	99	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 %	%	█ 0.4	---	---	---
Nitration (PA)	%	105	---	---	---
Sulfation (PA)	%	71	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 25	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 64	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1166	---	---	---
Magnesium	ppm	█ 915	---	---	---
Zinc	ppm	█ 1219	---	---	---
Phosphorus	ppm	█ 986	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 5	---	---	---

Depot: VOLVO0093
Unique No: 11087190
Signed: Don Baldrige
Report Date: 21 Jun 2024



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GRAPHS

