



CONSTRUCTION EQUIPMENT

6855HR VOLVO EC210CL 110235 - DIESEL ENGINE



Sample No: VCP452215
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 6855HR



SAMPLE INFORMATION

Sample Number	VCP452215	VCP365542	---	---
Sample Date	18 Apr 2024	01 Feb 2023	---	---
Machine Hours	6182	5444	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

HIGHWAY EQUIPMENT & SUPPLY CO MAIN
 PO BOX 1957
 HARRISBURG, PA
 US 17105
 Contact: CHAD HERRON

OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	█ 13.2	---	---
Base Number (BN)	mg KOH/g	█ 8.8	█ 10.4	---	---
Oxidation (PA)	%	65	80	---	---

T: 7(175)643-3031
 F: (717)564-3568

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 suitable for further service.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.5	---	---
Nitration (PA)	%	51	67	---	---
Sulfation (PA)	%	61	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 8	---	---
Sodium	ppm	█ 1	█ 1	---	---
Potassium	ppm	█ 0	█ 4	---	---

WEAR METALS

Iron	ppm	█ 6	█ 20	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 3	█ 3	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 115	█ 43	---	---
Nickel	ppm	█ 0	█ 1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 1692	█ 1747	---	---
Magnesium	ppm	█ 658	█ 468	---	---
Zinc	ppm	█ 1071	█ 1113	---	---
Phosphorus	ppm	█ 905	█ 918	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 360	█ 58	---	---

Depot: VOLVO0025
Unique No: 10995444
Signed: Sean Felton
Report Date: 26 Apr 2024



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GRAPHS

