



CONSTRUCTION EQUIPMENT

42068 VOLVO A45G VCP 453822 (S/N NO INFO ON SIF/BOTTLE) - DIESEL ENGINE



Sample No: VCP453822
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 42068



SAMPLE INFORMATION

Sample Number	VCP453822	---	---	---
Sample Date	13 May 2024	---	---	---
Machine Hours	1104	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033
 Contact: TAMI BROWDER



OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 7.7	---	---	---
Oxidation (PA)	%	76	---	---	---

T: (803)923-2138
 F: (803)791-9920

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Valve wear is indicated. 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 %	%	█ 0.5	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 150	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 52	---	---	---
Nickel	ppm	▲ 10	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1730	---	---	---
Magnesium	ppm	█ 412	---	---	---
Zinc	ppm	█ 1121	---	---	---
Phosphorus	ppm	█ 1051	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 88	---	---	---

Depot: VOLVO0013
Unique No: 11031013
Signed: Sean Felton
Report Date: 17 May 2024



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GRAPHS

