



CONSTRUCTION EQUIPMENT

DOPPSTADT SM726 321 - DIESEL ENGINE



Sample No: VCP412124
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP412124	---	---	---
Sample Date	10 Oct 2023	---	---	---
Machine Hours	479	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 FORT MYERS, FL
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 6.8	---	---	---
Oxidation (PA)	%	56	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	74	---	---	---
Sulfation (PA)	%	49	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.2	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 32	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 9	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 95	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2178	---	---	---
Magnesium	ppm	█ 330	---	---	---
Zinc	ppm	█ 951	---	---	---
Phosphorus	ppm	█ 782	---	---	---
Barium	ppm	█ 18	---	---	---
Boron	ppm	█ 86	---	---	---

Depot: VOLVO0090
Unique No: 10695912
Signed: Angela Borella
Report Date: 17 Oct 2023



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GRAPHS

