



CONSTRUCTION EQUIPMENT

X58490 VOLVO DD105 560087 - DIESEL ENGINE



Sample No: VCP413361
Oil Type: NOT GIVEN
Job No: X58490



SAMPLE INFORMATION

Sample Number	VCP413361	---	---	---
Sample Date	11 Sep 2023	---	---	---
Machine Hours	491	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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 PO BOX 997
 SAINT ROSE, LA
 US 70087
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	80	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. Fuel content negligible. 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

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.8	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1798	---	---	---
Magnesium	ppm	█ 525	---	---	---
Zinc	ppm	█ 1191	---	---	---
Phosphorus	ppm	█ 935	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 63	---	---	---

Depot: SCOSAI
Unique No: 10647155
Signed: Wes Davis
Report Date: 18 Sep 2023



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GRAPHS

