



CONSTRUCTION EQUIPMENT

4788 WHEELER LUMBER VOLVO L90H 626481 - DIESEL ENGINE



Sample No: VCP398880
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 4788 WHEELER LUMBER



SAMPLE INFORMATION

Sample Number	VCP398880	---	---	---
Sample Date	19 Sep 2023	---	---	---
Machine Hours	438	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

TRANSOURCE TRUCK & EQUIPMENT

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 US 57401

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	71	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	█ 0.4	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 26	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1429	---	---	---
Magnesium	ppm	█ 613	---	---	---
Zinc	ppm	█ 1146	---	---	---
Phosphorus	ppm	█ 957	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 46	---	---	---

Depot: VOLVO0037
Unique No: 10670938
Signed: Wes Davis
Report Date: 29 Sep 2023



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GRAPHS

