



CONSTRUCTION EQUIPMENT

SWA506908 VOLVO L90H 626145 - DIESEL ENGINE



Sample No: VCP380602
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA506908



SAMPLE INFORMATION

Sample Number	VCP380602	VCP405763	---	---
Sample Date	14 Mar 2024	08 May 2023	---	---
Machine Hours	819	596	---	---
Oil Hours	319	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 9.6	█ 8.6	---	---
Oxidation (PA)	%	77	82	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.3	---	---
Nitration (PA)	%	55	77	---	---
Sulfation (PA)	%	60	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 15	█ 18	---	---
Sodium	ppm	█ 4	█ 4	---	---
Potassium	ppm	█ 2	█ 3	---	---



WEAR METALS

Iron	ppm	█ 138	█ 258	---	---
Copper	ppm	█ 3	█ 5	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ 2	---	---
Aluminum	ppm	█ 9	█ 5	---	---
Chromium	ppm	█ 4	█ 6	---	---
Molybdenum	ppm	█ 70	█ 41	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	<1	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 2	█ 5	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 2474	█ 2016	---	---
Magnesium	ppm	█ 754	█ 506	---	---
Zinc	ppm	█ 1665	█ 1256	---	---
Phosphorus	ppm	█ 1409	█ 1066	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 93	█ 70	---	---

Depot: VOLV00142
Unique No: 10940242
Signed: Sean Felton
Report Date: 26 Mar 2024



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GRAPHS

