



CONSTRUCTION EQUIPMENT

X47196 VOLVO L90H 627143 - DIESEL ENGINE



Sample No: VCP425197
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X47196



SAMPLE INFORMATION

Sample Number	VCP425197	---	---	---
Sample Date	27 Feb 2024	---	---	---
Machine Hours	610	---	---	---
Oil Hours	610	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

IAA - INSURANCE AUTO AUCTIONS - NASHVILLE
 3896 STEWARTS LN
 NASHVILLE, TN
 US 37218
 Contact: KODY



OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	78	---	---	---

T:
F:

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 41	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 24	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 42	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1541	---	---	---
Magnesium	ppm	█ 608	---	---	---
Zinc	ppm	█ 1188	---	---	---
Phosphorus	ppm	█ 1009	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 36	---	---	---

Depot: INSNAS
Unique No: 10903918
Signed: Wes Davis
Report Date: 01 Mar 2024



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GRAPHS

