



CONSTRUCTION EQUIPMENT

X58892 VOLVO L90H 626640 - DIESEL ENGINE



Sample No: VCP426142
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X58892



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SAMPLE INFORMATION

Sample Number	VCP426142	---	---	---
Sample Date	17 Nov 2023	---	---	---
Machine Hours	445	---	---	---
Oil Hours	445	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	76	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	61	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 23	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 35	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 36	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1534	---	---	---
Magnesium	ppm	█ 546	---	---	---
Zinc	ppm	█ 1125	---	---	---
Phosphorus	ppm	█ 939	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 38	---	---	---

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.

Depot: SCOSAI
Unique No: 10752969
Signed: Wes Davis
Report Date: 22 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

