



# CONSTRUCTION EQUIPMENT

X58856 VOLVO L90H 626476 - DIESEL ENGINE



**Sample No:** VCP426012  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** X58856



## SAMPLE INFORMATION

Sample Number	VCP426012	---	---	---
Sample Date	07 Nov 2023	---	---	---
Machine Hours	573	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**SCOTT EQUIPMENT COMPANY LLC - Saint Rose**  
 PO BOX 997  
 SAINT ROSE, LA  
 US 70087  
 Contact: STEPHEN SALMERON  
 ssalmeron@scottcompanies.com  
 T: (504)461-0961  
 F: (504)461-0970



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	76	---	---	---



## CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	58	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.  
 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.



## WEAR METALS

Iron	ppm	█ 43	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 89	---	---	---
Chromium	ppm	█ 12	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1512	---	---	---
Magnesium	ppm	█ 594	---	---	---
Zinc	ppm	█ 1149	---	---	---
Phosphorus	ppm	█ 1003	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 43	---	---	---

**Depot:** SCOSAI  
**Unique No:** 10739025  
**Signed:** Wes Davis  
**Report Date:** 14 Nov 2023



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## GRAPHS

