



CONSTRUCTION EQUIPMENT

X46192 NASHVILLE RDY VOLVO L90H 626661 - DIESEL ENGINE



Sample No: VCP431362
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X46192 NASHVILLE RDY



SCOTT EQUIPMENT COMPANY LLC - Lavergne
 1231 BRIDGESTONE PARKWAY
 LAVERGNE, TN
 US 37086
 Contact: BILLY BEARD
 jbeard@scottcompanies.com
 T:
 F: (615)793-9655



SAMPLE INFORMATION

Sample Number	VCP431362	---	---	---
Sample Date	21 Nov 2023	---	---	---
Machine Hours	765	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	▲ 18.8	---	---	---
Base Number (BN)	mg KOH/g	■ 66.9	---	---	---
Oxidation (PA)	%	■ 134	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.6	---	---	---
Nitration (PA)	%	■ 268	---	---	---
Sulfation (PA)	%	■ 0	---	---	---
Glycol	%	● 0.10	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	▲ 504	---	---	---
Potassium	ppm	▲ 132	---	---	---



WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 15	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 49	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 873	---	---	---
Magnesium	ppm	■ 702	---	---	---
Zinc	ppm	■ 1158	---	---	---
Phosphorus	ppm	■ 791	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 49	---	---	---

Diagnosis

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is positive. The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLV00129
Unique No: 10755188
Signed: Jonathan Hester
Report Date: 27 Nov 2023



CONSTRUCTION EQUIPMENT



GRAPHS

