



CONSTRUCTION EQUIPMENT

580970 PRINCE VOLVO L90H 626456 - DIESEL ENGINE



Sample No: VCP412615
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 580970 PRINCE



ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720



SAMPLE INFORMATION

Sample Number	VCP412615	VCP395875	---	---
Sample Date	21 Jul 2023	26 Feb 2023	---	---
Machine Hours	1396	627	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 12.7	---	---
Base Number (BN)	mg KOH/g	█ 9.9	█ 10.2	---	---
Oxidation (PA)	%	82	75	---	---



CONTAMINATION

Soot %	%	█ 0.3	█ 0.2	---	---
Nitration (PA)	%	68	61	---	---
Sulfation (PA)	%	60	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 12	---	---
Sodium	ppm	█ 3	█ <1	---	---
Potassium	ppm	█ 0	█ <1	---	---



WEAR METALS

Iron	ppm	█ 17	█ 20	---	---
Copper	ppm	█ 2	█ 7	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 2	█ 3	---	---
Aluminum	ppm	█ 4	█ 12	---	---
Chromium	ppm	█ 2	█ <1	---	---
Molybdenum	ppm	█ 50	█ 47	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 1	█ 2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1802	█ 1535	---	---
Magnesium	ppm	█ 650	█ 529	---	---
Zinc	ppm	█ 1217	█ 1064	---	---
Phosphorus	ppm	█ 1004	█ 895	---	---
Barium	ppm	█ 0	█ 3	---	---
Boron	ppm	█ 26	█ 69	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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: VOLVO0096
Unique No: 10573962
Signed: Wes Davis
Report Date: 27 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

