



CONSTRUCTION EQUIPMENT

SW-25641-2 VOLVO L90G 4112 - DIESEL ENGINE



Sample No: VC05995338
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SW-25641-2



SAMPLE INFORMATION

Sample Number	VC05995338	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	400	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

PICK N PULL
 PO BOX 10636
 PORTLAND, OR
 US 97296
 Contact:



OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	57	---	---	---

T:
F:

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 acceptable for the time in service.



CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	63	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 19	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 88	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2101	---	---	---
Magnesium	ppm	█ 552	---	---	---
Zinc	ppm	█ 1593	---	---	---
Phosphorus	ppm	█ 1314	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 58	---	---	---

Depot: PICPOROR
Unique No: 10723698
Signed: Don Baldrige
Report Date: 02 Nov 2023



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GRAPHS

