



CONSTRUCTION EQUIPMENT

25941 VOLVO LC450 1012 - DIESEL ENGINE



Sample No: VCP447891
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 25941



SAMPLE INFORMATION

Sample Number	VCP447891	VCP434922	---	---
Sample Date	25 Jun 2024	13 Oct 2023	---	---
Machine Hours	4800	4336	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	█ 12.6	---	---
Base Number (BN)	mg KOH/g	█ 10.7	█ 10.0	---	---
Oxidation (PA)	%	79	79	---	---

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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	48	52	---	---
Sulfation (PA)	%	60	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 6	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ 2	█ 2	---	---



WEAR METALS

Iron	ppm	█ 5	█ 6	---	---
Copper	ppm	█ 1	█ 2	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 3	█ 2	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 41	█ 44	---	---
Nickel	ppm	█ 1	█ 2	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ <1	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1700	█ 1657	---	---
Magnesium	ppm	█ 527	█ 516	---	---
Zinc	ppm	█ 1182	█ 1210	---	---
Phosphorus	ppm	█ 1051	█ 982	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 65	█ 81	---	---

Depot: VOLVO3387
Unique No: 11102343
Signed: Angela Borella
Report Date: 01 Jul 2024



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GRAPHS

