



CONSTRUCTION EQUIPMENT

SWA320724 VOLVO L60H 622903 - DIESEL ENGINE



Sample No: VCP412736
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA320724



SAMPLE INFORMATION

Sample Number	VCP412736	VCP381547	---	---
Sample Date	28 Jul 2023	28 Feb 2023	---	---
Machine Hours	1075	526	---	---
Oil Hours	0	526	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	█ 12.4	---	---
Base Number (BN)	mg KOH/g	█ 10.3	█ 10.4	---	---
Oxidation (PA)	%	79	71	---	---



CONTAMINATION

Soot %	%	█ 0.4	█ 0.2	---	---
Nitration (PA)	%	60	61	---	---
Sulfation (PA)	%	60	58	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 16	█ 17	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ <1	█ 2	---	---



WEAR METALS

Iron	ppm	█ 17	█ 29	---	---
Copper	ppm	█ 2	█ 10	---	---
Lead	ppm	█ 0	█ 1	---	---
Tin	ppm	█ 2	█ 3	---	---
Aluminum	ppm	█ 6	█ 20	---	---
Chromium	ppm	█ 3	█ 4	---	---
Molybdenum	ppm	█ 44	█ 43	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 1	█ 4	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 1601	█ 1443	---	---
Magnesium	ppm	█ 549	█ 594	---	---
Zinc	ppm	█ 1131	█ 1109	---	---
Phosphorus	ppm	█ 915	█ 902	---	---
Barium	ppm	█ 0	█ 5	---	---
Boron	ppm	█ 34	█ 32	---	---

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: 10579922
Signed: Wes Davis
Report Date: 02 Aug 2023



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GRAPHS

