



CONSTRUCTION EQUIPMENT

X17869 APAC VOLVO L180H 5549 - DIESEL ENGINE



Sample No: VCP429494
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X17869 APAC



SAMPLE INFORMATION

Sample Number	VCP429494	VCE043701	---	---
Sample Date	09 Oct 2023	09 May 2022	---	---
Machine Hours	5000	1102	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 10.3	█ 9.3	---	---
Oxidation (PA)	%	74	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

Soot %	%	█ 0	█ 0.1	---	---
Nitration (PA)	%	39	62	---	---
Sulfation (PA)	%	59	63	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 9	---	---
Sodium	ppm	█ 2	█ 1	---	---
Potassium	ppm	█ 0	█ 2	---	---



WEAR METALS

Iron	ppm	█ 1	█ 5	---	---
Copper	ppm	█ <1	▲ 85	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 1	█ <1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 34	█ 40	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ <1	<1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1472	█ 1890	---	---
Magnesium	ppm	█ 427	█ 481	---	---
Zinc	ppm	█ 968	█ 1235	---	---
Phosphorus	ppm	█ 813	█ 1013	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 59	█ 38	---	---

Depot: VOLVO8771
Unique No: 10696507
Signed: Wes Davis
Report Date: 16 Oct 2023



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GRAPHS

