



CONSTRUCTION EQUIPMENT

SWA362603 ML CHARTER VOLVO L220H 2997 - DIESEL ENGINE



Sample No: VCP431172
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA362603 ML CHARTER



SAMPLE INFORMATION

Sample Number	VCP431172	---	---	---
Sample Date	15 Sep 2023	---	---	---
Machine Hours	6431	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.8	---	---	---
Oxidation (PA)	%	59	---	---	---

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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 4	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 82	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1169	---	---	---
Magnesium	ppm	█ 823	---	---	---
Zinc	ppm	█ 1104	---	---	---
Phosphorus	ppm	█ 908	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 89	---	---	---

Depot: VOLVO2990
Unique No: 10657334
Signed: Wes Davis
Report Date: 21 Sep 2023



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GRAPHS

