



CONSTRUCTION EQUIPMENT

X47286 VOLVO EC145EL 315347 - DIESEL ENGINE



Sample No: VCP417997
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X47286



SAMPLE INFORMATION

Sample Number	VCP417997	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	525	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 6.9	---	---	---
Oxidation (PA)	%	47	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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 %	%	█ 0.2	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---



WEAR METALS

Iron	ppm	█ 48	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 35	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 20	---	---	---
Nickel	ppm	█ 9	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2308	---	---	---
Magnesium	ppm	█ 152	---	---	---
Zinc	ppm	█ 1174	---	---	---
Phosphorus	ppm	█ 978	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 27	---	---	---

Depot: VOLVO6244
Unique No: 10575254
Signed: Don Baldrige
Report Date: 28 Jul 2023



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GRAPHS

