



CONSTRUCTION EQUIPMENT

12816 APAC VOLVO EC480EL 314970 - DIESEL ENGINE



Sample No: VCP442477
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 12816 APAC



SAMPLE INFORMATION

Sample Number	VCP442477	VCP379652	---	---
Sample Date	26 Apr 2024	17 Nov 2023	---	---
Machine Hours	2430	1866	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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OIL CONDITION

Visc @ 100°C	cSt	11.9	12.2	---	---
Base Number (BN)	mg KOH/g	8.4	6.8	---	---
Oxidation (PA)	%	79	90	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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 %	%	0.4	0.1	---	---
Nitration (PA)	%	70	86	---	---
Sulfation (PA)	%	64	65	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	0.4	1.0	---	---
Silicon	ppm	7	13	---	---
Sodium	ppm	8	2	---	---
Potassium	ppm	4	<1	---	---



WEAR METALS

Iron	ppm	7	8	---	---
Copper	ppm	4	16	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	2	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	42	46	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1699	1661	---	---
Magnesium	ppm	499	507	---	---
Zinc	ppm	1125	1196	---	---
Phosphorus	ppm	1085	965	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	52	29	---	---

Depot: VOLVO0117
Unique No: 11031028
Signed: Wes Davis
Report Date: 17 May 2024



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GRAPHS

