



CONSTRUCTION EQUIPMENT

X18287 APAC VOLVO A40G 353137 - DIESEL ENGINE



Sample No: VCP428614
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X18287 APAC



SAMPLE INFORMATION

Sample Number	VCP428614	VCP431696	---	---
Sample Date	14 Feb 2024	08 Nov 2023	---	---
Machine Hours	2932	2478	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	█ 12.5	---	---
Base Number (BN)	mg KOH/g	█ 10.0	█ 9.6	---	---
Oxidation (PA)	%	80	82	---	---

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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	58	59	---	---
Sulfation (PA)	%	63	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 8	█ 9	---	---
Sodium	ppm	█ 0	█ <1	---	---
Potassium	ppm	█ 1	█ <1	---	---



WEAR METALS

Iron	ppm	█ 8	█ 7	---	---
Copper	ppm	█ 22	█ 3	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ <1	█ 1	---	---
Aluminum	ppm	█ 4	█ 2	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 46	█ 41	---	---
Nickel	ppm	█ 9	█ 1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 1546	█ 1642	---	---
Magnesium	ppm	█ 495	█ 518	---	---
Zinc	ppm	█ 1069	█ 1133	---	---
Phosphorus	ppm	█ 936	█ 976	---	---
Barium	ppm	█ 10	█ 0	---	---
Boron	ppm	█ 60	█ 44	---	---

Depot: VOLVO8771
Unique No: 10885608
Signed: Angela Borella
Report Date: 20 Feb 2024



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GRAPHS

