



CONSTRUCTION EQUIPMENT

A10914 VOLVO ECR235E 315472 - DIESEL ENGINE



Sample No: VCP413662
Oil Type: MOBIL 15W40
Job No: A10914



SAMPLE INFORMATION

Sample Number	VCP413662	VCP398892	---	---
Sample Date	15 Aug 2023	27 Apr 2023	---	---
Machine Hours	465	283	---	---
Oil Hours	250	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.6	13.1	---	---
Base Number (BN)	mg KOH/g	6.5	6.3	---	---
Oxidation (PA)	%	53	37	---	---

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 %	%	0.1	0.1	---	---
Nitration (PA)	%	48	49	---	---
Sulfation (PA)	%	51	41	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	14	14	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	2	2	---	---



WEAR METALS

Iron	ppm	15	16	---	---
Copper	ppm	2	13	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	9	4	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	87	7	---	---
Nickel	ppm	5	5	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	2	0	---	---
Manganese	ppm	1	4	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	1777	2259	---	---
Magnesium	ppm	337	62	---	---
Zinc	ppm	1320	1000	---	---
Phosphorus	ppm	1116	844	---	---
Barium	ppm	0	0	---	---
Boron	ppm	388	4	---	---

Depot: JAAPHI
Unique No: 10617824
Signed: Wes Davis
Report Date: 24 Aug 2023



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GRAPHS

