



CONSTRUCTION EQUIPMENT

X46910 VOLVO ECR58 011661 - DIESEL ENGINE



Sample No: VCP408390
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X46910



SAMPLE INFORMATION

Sample Number	VCP408390	---	---	---
Sample Date	05 Jul 2023	---	---	---
Machine Hours	431	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

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 PO BOX 16955
 LAKE CHARLES, LA
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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.9	---	---	---
Base Number (BN)	mg KOH/g	■ 9.5	---	---	---
Oxidation (PA)	%	■ 59	---	---	---

Diagnosis

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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 63	---	---	---
Sulfation (PA)	%	■ 52	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.9	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 3	---	---	---



WEAR METALS

Iron	ppm	■ 20	---	---	---
Copper	ppm	■ 10	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 52	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	■ <1	---	---	---



ADDITIVES

Calcium	ppm	■ 1412	---	---	---
Magnesium	ppm	■ 825	---	---	---
Zinc	ppm	■ 1108	---	---	---
Phosphorus	ppm	■ 885	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 8	---	---	---

Depot: VOLVO6244
Unique No: 10550580
Signed: Don Baldrige
Report Date: 12 Jul 2023



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GRAPHS

