



CONSTRUCTION EQUIPMENT

VOLVO EC380EL 315476 - DIESEL ENGINE



Sample No: VCP440822
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP440822	---	---	---
Sample Date	27 Jun 2024	---	---	---
Machine Hours	622	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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OIL CONDITION

Visc @ 100°C	cSt	10.7	---	---	---
Base Number (BN)	mg KOH/g	5.4	---	---	---
Oxidation (PA)	%	70	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	0.1	---	---	---
Nitration (PA)	%	82	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.2	---	---	---
Silicon	ppm	25	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---



WEAR METALS

Iron	ppm	11	---	---	---
Copper	ppm	202	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	2	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	77	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2107	---	---	---
Magnesium	ppm	114	---	---	---
Zinc	ppm	1157	---	---	---
Phosphorus	ppm	978	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	20	---	---	---

Depot: VOLVO0090
Unique No: 11113282
Signed: Jonathan Hester
Report Date: 11 Jul 2024



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GRAPHS

