



CONSTRUCTION EQUIPMENT

408395 VOLVO EC350E 314407 - DIESEL ENGINE



Sample No: VCP450308
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 408395



SAMPLE INFORMATION

Sample Number	VCP450308	VCP352598	---	---
Sample Date	14 Jun 2024	30 Aug 2023	---	---
Machine Hours	1500	956	---	---
Oil Hours	500	500	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	12.0	▲ 11.2	---	---
Oxidation (PA)	%	82	60	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0	0	---	---
Nitration (PA)	%	75	67	---	---
Sulfation (PA)	%	63	53	---	---
Glycol	%	NEG	0.0	---	---
Fuel	%	0.1	1.3	---	---
Silicon	ppm	4	10	---	---
Sodium	ppm	2	2	---	---
Potassium	ppm	<1	<1	---	---

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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	6	5	---	---
Copper	ppm	51	161	---	---
Lead	ppm	1	5	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	48	60	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1520	1167	---	---
Magnesium	ppm	569	848	---	---
Zinc	ppm	1079	1194	---	---
Phosphorus	ppm	903	958	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	29	3	---	---

Depot: VOLVO3908
Unique No: 5801647
Signed: Wes Davis
Report Date: 27 Jun 2024



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GRAPHS

