



CONSTRUCTION EQUIPMENT

VINCI 392571 VOLVO EC950F 410078 - DIESEL ENGINE



Sample No: VCP394351
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 392571



SAMPLE INFORMATION

Sample Number	VCP394351	VCP347436	---	---
Sample Date	21 Feb 2024	14 Sep 2022	---	---
Machine Hours	3908	88	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.5	▲ 10.8	---	---
Oxidation (PA)	%	85	22	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.7	0	---	---
Nitration (PA)	%	88	27	---	---
Sulfation (PA)	%	72	34	---	---
Glycol	%	0.0	0.0	---	---
Fuel	%	<1.0	0.5	---	---
Silicon	ppm	▲ 26	23	---	---
Sodium	ppm	▲ 946	4	---	---
Potassium	ppm	27	2	---	---



WEAR METALS

Iron	ppm	13	23	---	---
Copper	ppm	3	8	---	---
Lead	ppm	<1	2	---	---
Tin	ppm	<1	3	---	---
Aluminum	ppm	5	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	74	80	---	---
Nickel	ppm	2	2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1596	2151	---	---
Magnesium	ppm	556	63	---	---
Zinc	ppm	1068	1122	---	---
Phosphorus	ppm	904	1061	---	---
Barium	ppm	0	0	---	---
Boron	ppm	27	60	---	---

Diagnosis

Check for low coolant level. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. The oil change at the time of sampling has been noted. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Water treatment chemicals present, indicating slow coolant leak. There is a moderate concentration of dirt present in the oil. Test for glycol is negative. The condition of the oil is acceptable for the time in service (see recommendation). The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO3909
Unique No: 5734475
Signed: Kevin Marson
Report Date: 23 Feb 2024



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GRAPHS

