



CONSTRUCTION EQUIPMENT

VOLVO EC950F 410081 - DIESEL ENGINE



Sample No: VCP412780

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP412780	VCP393284	---	---
Sample Date	31 Oct 2023	17 Mar 2023	---	---
Machine Hours	2973	1146	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ATTENTION	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	13.4	11.8	---	---
Base Number (BN)	mg KOH/g	8.9	7.4	---	---
Oxidation (PA)	%	67	69	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

Soot %	%	1.1	1.3	---	---
Nitration (PA)	%	76	87	---	---
Sulfation (PA)	%	63	64	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	1.1	---	---
Silicon	ppm	6	11	---	---
Sodium	ppm	▲ 121	2	---	---
Potassium	ppm	9	8	---	---



WEAR METALS

Iron	ppm	10	23	---	---
Copper	ppm	2	86	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	2	---	---
Aluminum	ppm	5	7	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	92	79	---	---
Nickel	ppm	3	3	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	1464	1740	---	---
Magnesium	ppm	673	505	---	---
Zinc	ppm	990	892	---	---
Phosphorus	ppm	807	741	---	---
Barium	ppm	<1	2	---	---
Boron	ppm	132	125	---	---

Depot: ASCFAR
Unique No: 10723720
Signed: Jonathan Hester
Report Date: 03 Nov 2023



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GRAPHS

