



CONSTRUCTION EQUIPMENT

SWA386620-10 VOLVO EC480EL 311170 - DIESEL ENGINE



Sample No: VCP409076
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: SWA386620-10



SAMPLE INFORMATION

Sample Number	VCP409076	VCP385948	---	---
Sample Date	12 Oct 2023	20 Apr 2023	---	---
Machine Hours	3543	2999	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

SARGENT DOCKS

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OIL CONDITION

Visc @ 100°C	cSt	12.5	▲ 12.1	---	---
Base Number (BN)	mg KOH/g	9.6	■ 7.9	---	---
Oxidation (PA)	%	84	63	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.1	■ 0.1	---	---
Nitration (PA)	%	69	69	---	---
Sulfation (PA)	%	61	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	■ 0.5	---	---
Silicon	ppm	6	■ 4	---	---
Sodium	ppm	14	■ <1	---	---
Potassium	ppm	<1	■ 0	---	---



WEAR METALS

Iron	ppm	4	■ 7	---	---
Copper	ppm	1	■ 4	---	---
Lead	ppm	<1	■ 0	---	---
Tin	ppm	<1	■ 0	---	---
Aluminum	ppm	1	■ <1	---	---
Chromium	ppm	0	■ 0	---	---
Molybdenum	ppm	38	■ 60	---	---
Nickel	ppm	0	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	■ 0	---	---
Manganese	ppm	<1	■ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1512	■ 1248	---	---
Magnesium	ppm	516	■ 997	---	---
Zinc	ppm	1046	■ 1368	---	---
Phosphorus	ppm	882	■ 1060	---	---
Barium	ppm	0	■ 0	---	---
Boron	ppm	31	■ 3	---	---

Depot: SARSAG
Unique No: 10714097
Signed: Wes Davis
Report Date: 28 Oct 2023



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GRAPHS

