



CONSTRUCTION EQUIPMENT

SWA150342-20 TILCON VOLVO EC750E 310191 - DIESEL ENGINE



Sample No: VCP387356
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SWA150342-20 TILCON



SAMPLE INFORMATION

Sample Number	VCP387356	---	---	---
Sample Date	10 Jan 2023	---	---	---
Machine Hours	7457	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
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 T: (315)437-2611
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.2	---	---	---
Oxidation (PA)	%	▲ 49	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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 suitable for further service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	▲ 57	---	---	---
Sulfation (PA)	%	▲ 50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 58	---	---	---
Potassium	ppm	▲ 58	---	---	---

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	▲ 23	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 52	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1589	---	---	---
Magnesium	ppm	█ 735	---	---	---
Zinc	ppm	█ 1270	---	---	---
Phosphorus	ppm	█ 1010	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 9	---	---	---

Depot: VOLV00142
Unique No: 10308913
Signed: Jonathan Hester
Report Date: 27 Jan 2023



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GRAPHS

