



CONSTRUCTION EQUIPMENT

VOLVO EC460C 110503 - DIESEL ENGINE



Sample No: VCP115343

Oil Type: SAE 15W40

Job No:



SAMPLE INFORMATION

Sample Number	VCP115343	---	---	---
Sample Date	21 Oct 2011	---	---	---
Machine Hours	288	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---

HIGHWAY EQUIPMENT AND SUPPLY CO

122 FRITZ ROAD
LOCK HAVEN, PA
US 17745

Contact: TERRY HESS
thess@hwyequip.com
T: (570)769-1070
F: (570)769-1071



OIL CONDITION

Visc @ 100°C	cSt	▲ 11.84	---	---	---
Oxidation (PA)	%	■ 40	---	---	---



CONTAMINATION

Soot %	%	■ 0	---	---	---
Nitration (PA)	%	■ 42	---	---	---
Sulfation (PA)	%	■ 44	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	■ 24	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 4	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the component. The oil viscosity is lower than normal.



WEAR METALS

Iron	ppm	■ 18	---	---	---
Copper	ppm	■ 24	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ < 1	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	< 1	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 2548	---	---	---
Magnesium	ppm	68	---	---	---
Zinc	ppm	■ 1122	---	---	---
Phosphorus	ppm	■ 1026	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 2	---	---	---

Depot: HIGLOC
Unique No: 5718056
Signed: Don Baldrige
Report Date: 26 Oct 2011



GRAPHS

