



CONSTRUCTION EQUIPMENT

VOLVO L220G 12068 - DIESEL ENGINE



Sample No: VCP138050

Oil Type: SAE 15W40

Job No:



SAMPLE INFORMATION

Sample Number	VCP138050	---	---	---
Sample Date	02 Sep 2014	---	---	---
Machine Hours	4874	---	---	---
Oil Hours	217	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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OIL CONDITION

Visc @ 100°C	cSt	█ 14.14	---	---	---
Oxidation (PA)	%	█ 48	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	█ 42	---	---	---
Sulfation (PA)	%	█ 30	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 43	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1212	---	---	---
Magnesium	ppm	█ 765	---	---	---
Zinc	ppm	█ 958	---	---	---
Phosphorus	ppm	█ 842	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 33	---	---	---

Depot: VOLVO2990
Unique No: 6733031
Signed: Jonathan Hester
Report Date: 08 Sep 2014



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GRAPHS

