



CONSTRUCTION EQUIPMENT

VOLVO A30 60110 - REAR AXLE



Sample No: VCP019022

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

Sample Number	VCP019022	---	---	---
Sample Date	28 Jul 2005	---	---	---
Machine Hours	6488	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE

120 GORDON DRIVE

LIONVILLE, PA

US 19341

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OIL CONDITION

Visc @ 40°C	cSt	214.9	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 58	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 10	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 427	---	---	---
Copper	ppm	■ 34	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 7	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	4	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	9	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	8	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	10	---	---	---
Phosphorus	ppm	893	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	139	---	---	---

Depot: VOLVO8879

Unique No: 3071353

Signed:

Report Date: 02 Aug 2005

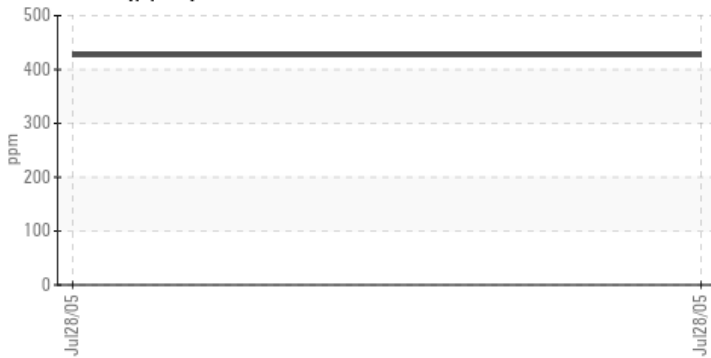


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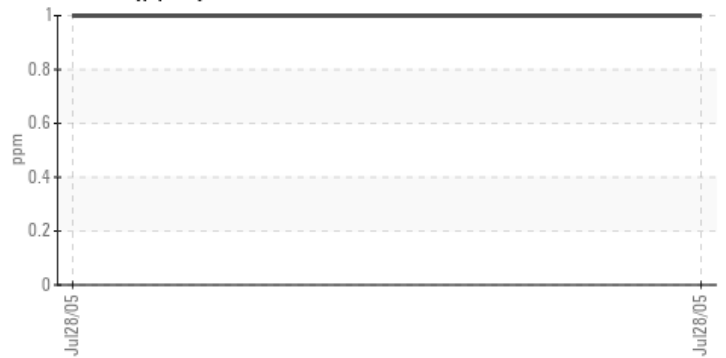


GRAPHS

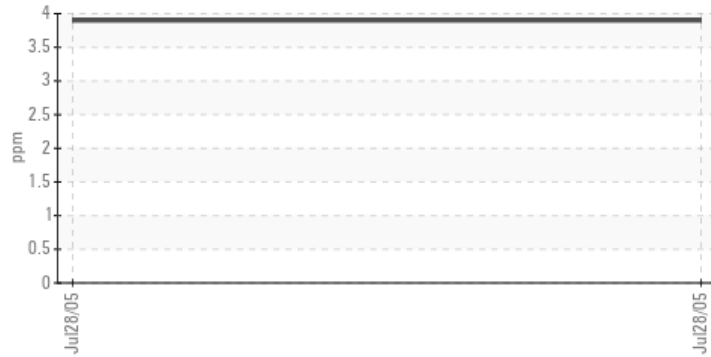
Iron (ppm)



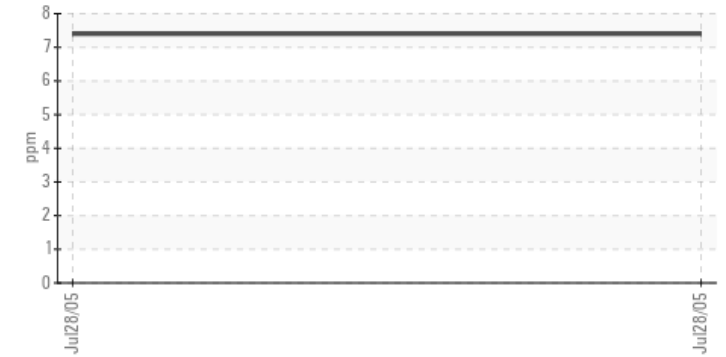
Lead (ppm)



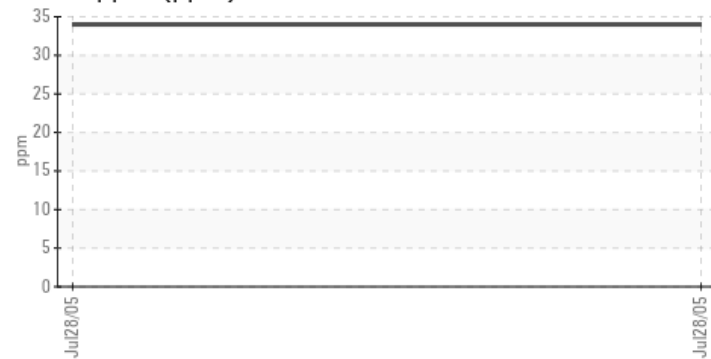
Aluminum (ppm)



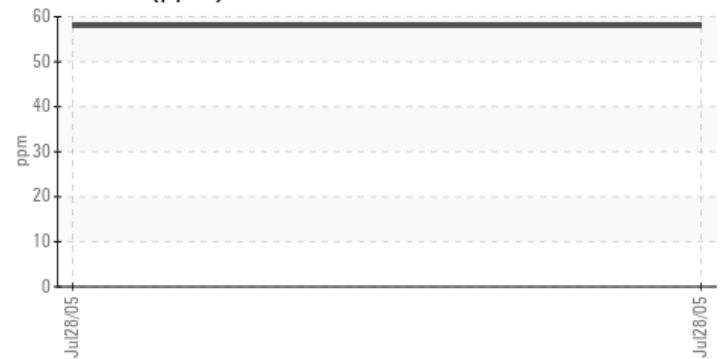
Chromium (ppm)



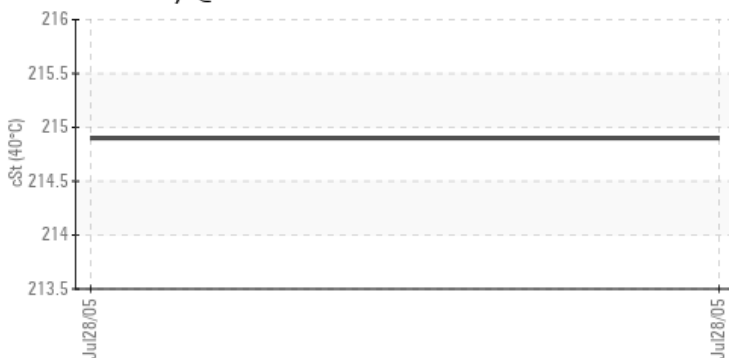
Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

