



CONSTRUCTION EQUIPMENT

VOLVO A30D 74067 - DIESEL ENGINE



Sample No: VCP118208
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP118208	VCP104740	VCP115732	---
Sample Date	07 Dec 2011	16 Sep 2011	05 Jul 2011	---
Machine Hours	6502	6235	5929	---
Oil Hours	250	250	250	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.19	12.84	12.86	---
Oxidation (PA)	%	48	52	52	---



CONTAMINATION

Soot %	%	0.5	0.7	0.5	---
Nitration (PA)	%	50	58	58	---
Sulfation (PA)	%	47	50	50	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	6	5	4	---
Sodium	ppm	6	6	4	---
Potassium	ppm	3	0	0	---

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	19	21	9	---
Copper	ppm	1	2	1	---
Lead	ppm	<1	0	2	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	46	49	40	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	1269	1400	1116	---
Magnesium	ppm	813	931	680	---
Zinc	ppm	990	1060	871	---
Phosphorus	ppm	898	973	769	---
Barium	ppm	0	0	0	---
Boron	ppm	35	34	42	---

Depot: VOLVO0002
Unique No: 5768035
Signed: Don Baldrige
Report Date: 15 Dec 2011



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GRAPHS

