



CONSTRUCTION EQUIPMENT

VOLVO A40G 340668 - DIESEL ENGINE



Sample No: VCP447691
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP447691	VCP433631	VCP416807	---
Sample Date	09 Jul 2024	27 Mar 2024	08 Feb 2024	---
Machine Hours	17948	17421	17181	---
Oil Hours	497	240	272	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.2	13.4	---
Base Number (BN)	mg KOH/g	8.8	8.2	6.9	---
Oxidation (PA)	%	92	77	85	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. 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	NEG	NEG	---
Soot %	%	0.8	0.3	0.3	---
Nitration (PA)	%	88	83	99	---
Sulfation (PA)	%	68	60	64	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	11	18	16	---
Sodium	ppm	4	3	4	---
Potassium	ppm	2	3	3	---



WEAR METALS

Iron	ppm	12	12	17	---
Copper	ppm	<1	<1	2	---
Lead	ppm	2	<1	1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	4	6	7	---
Chromium	ppm	<1	<1	1	---
Molybdenum	ppm	61	92	109	---
Nickel	ppm	2	<1	1	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	1699	1468	1344	---
Magnesium	ppm	521	600	601	---
Zinc	ppm	822	870	882	---
Phosphorus	ppm	767	741	683	---
Barium	ppm	0	0	34	---
Boron	ppm	56	113	85	---

Depot: SCHGRE
Unique No: 11128796
Signed: Wes Davis
Report Date: 18 Jul 2024



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VOLVO GRAPHS

