



CONSTRUCTION EQUIPMENT

VOLVO A40G 342610 - DIESEL ENGINE



Sample No: VCP446261
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP446261	VCP447489	VCP433204	---
Sample Date	09 Jul 2024	07 May 2024	27 Mar 2024	---
Machine Hours	12155	11749	11444	---
Oil Hours	406	305	360	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.6	12.9	---
Base Number (BN)	mg KOH/g	10.0	9.0	8.2	---
Oxidation (PA)	%	78	73	69	---

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 %	%	0.1	0.2	0.2	---
Nitration (PA)	%	56	58	67	---
Sulfation (PA)	%	59	57	55	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	4	6	---
Sodium	ppm	36	13	6	---
Potassium	ppm	25	11	5	---



WEAR METALS

Iron	ppm	5	5	11	---
Copper	ppm	0	<1	<1	---
Lead	ppm	1	<1	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	2	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	42	60	89	---
Nickel	ppm	1	1	2	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	1614	1538	1412	---
Magnesium	ppm	460	506	567	---
Zinc	ppm	769	885	825	---
Phosphorus	ppm	721	772	680	---
Barium	ppm	0	0	0	---
Boron	ppm	51	74	110	---

Depot: SCHGRE
Unique No: 11128800
Signed: Sean Felton
Report Date: 19 Jul 2024

VOLVO **GRAPHS**

