



CONSTRUCTION EQUIPMENT

VOLVO A40G 341 127 - DIESEL ENGINE



Sample No: VCP450867
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP450867	VCP447492	VCP433211	---
Sample Date	10 Jul 2024	07 May 2024	27 Mar 2024	---
Machine Hours	15296	14841	14533	---
Oil Hours	545	308	311	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

SCHILDBERG CONSTRUCTION COMPANY
 PO BOX 358
 GREENFIELD, IA
 US 50849
 Contact: SCOTT ARMSTRONG
 sarmstrong@schildberg.com
 T: (641)743-8237
 F: (641)743-2486

OIL CONDITION

Visc @ 100°C	cSt	12.6	12.8	12.8	---
Base Number (BN)	mg KOH/g	9.4	8.5	6.4	---
Oxidation (PA)	%	83	76	65	---

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 %	%	0.3	0.2	0.2	---
Nitration (PA)	%	65	68	81	---
Sulfation (PA)	%	62	58	52	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	5	5	5	---
Sodium	ppm	3	<1	2	---
Potassium	ppm	1	2	2	---

WEAR METALS

Iron	ppm	3	3	4	---
Copper	ppm	0	<1	<1	---
Lead	ppm	<1	<1	0	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	3	4	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	42	64	124	---
Nickel	ppm	1	1	2	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	<1	<1	---

ADDITIVES

Calcium	ppm	1655	1563	1298	---
Magnesium	ppm	460	521	647	---
Zinc	ppm	794	899	830	---
Phosphorus	ppm	728	800	705	---
Barium	ppm	0	0	0	---
Boron	ppm	48	77	141	---

Depot: SCHGRE
Unique No: 11128798
Signed: Wes Davis
Report Date: 18 Jul 2024

VOLVO **GRAPHS**

