



CONSTRUCTION EQUIPMENT

VOLVO A40G 352198 - DIESEL ENGINE



Sample No: VCP405726
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP405726	VCP362755	---	---
Sample Date	19 Jun 2023	12 May 2023	---	---
Machine Hours	3898	3666	---	---
Oil Hours	232	214	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	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	12.5	12.7	---	---
Base Number (BN)	mg KOH/g	9.9	10.4	---	---
Oxidation (PA)	%	78	56	---	---

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

Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	48	48	---	---
Sulfation (PA)	%	60	50	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	2	1	---	---
Potassium	ppm	<1	4	---	---



WEAR METALS

Iron	ppm	4	5	---	---
Copper	ppm	2	3	---	---
Lead	ppm	0	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	44	57	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	1681	1157	---	---
Magnesium	ppm	604	1000	---	---
Zinc	ppm	1031	1300	---	---
Phosphorus	ppm	849	1006	---	---
Barium	ppm	0	0	---	---
Boron	ppm	59	6	---	---

Depot: SCHGRE
Unique No: 10545759
Signed: Wes Davis
Report Date: 05 Jul 2023



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GRAPHS

