



CONSTRUCTION EQUIPMENT

VOLVO A40G 341127 - DIESEL ENGINE



Sample No: VCP312685
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP312685	VCP404630	VCP404836	VCP362760
Sample Date	14 Sep 2023	24 Aug 2023	13 Jul 2023	30 May 2023
Machine Hours	13477	13340	13236	13037
Oil Hours	137	104	199	199
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	12.8	12.5	12.7	12.8
Base Number (BN)	mg KOH/g	8.9	10.5	9.8	9.7
Oxidation (PA)	%	71	81	84	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

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	60	50	58	62
Sulfation (PA)	%	55	61	61	64
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	2	5
Sodium	ppm	2	2	0	2
Potassium	ppm	1	<1	1	0



WEAR METALS

Iron	ppm	2	3	2	3
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	3	<1	<1	<1
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	97	36	43	41
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1664	1652	1718	1745
Magnesium	ppm	647	521	488	517
Zinc	ppm	1003	853	909	923
Phosphorus	ppm	851	730	774	739
Barium	ppm	0	2	2	0
Boron	ppm	104	59	54	57

Depot: SCHGRE
Unique No: 10671665
Signed: Wes Davis
Report Date: 02 Oct 2023

VOLVO **GRAPHS**

