



CONSTRUCTION EQUIPMENT

2826 VOLVO A40G 342608 - DIESEL ENGINE



Sample No: VCP331546
Oil Type: MOBIL 15W40
Job No: 2826



SAMPLE INFORMATION

Sample Number	VCP331546	VCP339701	VCP405670	VCP402330
Sample Date	06 Nov 2023	03 Oct 2023	21 Aug 2023	13 Jul 2023
Machine Hours	10895	10659	10330	10034
Oil Hours	236	329	296	256
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.0	12.6	12.4	12.7
Base Number (BN)	mg KOH/g	7.0	8.1	10.1	10.0
Oxidation (PA)	%	63	72	82	81



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.1
Nitration (PA)	%	72	63	56	54
Sulfation (PA)	%	52	55	61	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	0.3	<1.0
Silicon	ppm	5	4	4	3
Sodium	ppm	14	4	4	2
Potassium	ppm	7	2	2	3



WEAR METALS

Iron	ppm	3	4	4	4
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	4	3	<1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	115	70	37	42
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1340	1468	1657	1659
Magnesium	ppm	705	551	523	483
Zinc	ppm	963	888	863	895
Phosphorus	ppm	736	744	729	760
Barium	ppm	0	0	2	2
Boron	ppm	130	56	41	50

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.

Depot: SCHGRE
Unique No: 10755189
Signed: Jonathan Hester
Report Date: 27 Nov 2023



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GRAPHS

