



CONSTRUCTION EQUIPMENT

VOLVO A40G 352341 - DIESEL ENGINE



Sample No: VCP405986
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP405986	VCP406468	VCP385225	VCP385042
Sample Date	24 Aug 2023	13 Jul 2023	30 May 2023	27 Apr 2023
Machine Hours	6283	5997	5702	5474
Oil Hours	286	295	228	360
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.6	12.7	12.7
Base Number (BN)	mg KOH/g	10.1	9.9	9.9	8.7
Oxidation (PA)	%	80	80	80	76

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)	%	52	53	53	52
Sulfation (PA)	%	61	60	61	55
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	4	5	8
Sodium	ppm	2	0	2	1
Potassium	ppm	1	1	0	<1



WEAR METALS

Iron	ppm	3	3	3	6
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	1	<1	3
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	36	42	39	41
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1641	1683	1698	1831
Magnesium	ppm	514	476	496	532
Zinc	ppm	853	895	911	910
Phosphorus	ppm	720	761	720	804
Barium	ppm	2	2	0	0
Boron	ppm	45	51	50	48

Depot: SCHGRE
Unique No: 10633957
Signed: Wes Davis
Report Date: 07 Sep 2023



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VOLVO GRAPHS

