



CONSTRUCTION EQUIPMENT

VOLVO A40G 352341 - DIESEL ENGINE



Sample No: VCP406468
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP406468	VCP385225	VCP385042	VCP362741
Sample Date	13 Jul 2023	30 May 2023	27 Apr 2023	07 Mar 2023
Machine Hours	5997	5702	5474	5114
Oil Hours	295	228	360	307
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.6	12.7	12.7	12.6
Base Number (BN)	mg KOH/g	9.9	9.9	8.7	10.1
Oxidation (PA)	%	80	80	76	78

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)	%	53	53	52	54
Sulfation (PA)	%	60	61	55	60
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	5	8	5
Sodium	ppm	0	2	1	3
Potassium	ppm	1	0	<1	<1



WEAR METALS

Iron	ppm	3	3	6	7
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	1	<1	3	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	42	39	41	40
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1683	1698	1831	1667
Magnesium	ppm	476	496	532	483
Zinc	ppm	895	911	910	897
Phosphorus	ppm	761	720	804	753
Barium	ppm	2	0	0	2
Boron	ppm	51	50	48	66

Depot: SCHGRE
Unique No: 10586128
Signed: Wes Davis
Report Date: 03 Aug 2023



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GRAPHS

