



CONSTRUCTION EQUIPMENT

VOLVO A40G 352025 - DIESEL ENGINE



Sample No: VCP444782
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP444782	VCP447441	VCP433327	VCP416984
Sample Date	06 Jun 2024	29 Apr 2024	02 Apr 2024	14 Feb 2024
Machine Hours	11171	10924	10696	10331
Oil Hours	247	228	365	298
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.5	12.8	12.8	12.9
Base Number (BN)	mg KOH/g	9.7	9.7	8.8	7.9
Oxidation (PA)	%	77	76	74	68

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	51	51	64	62
Sulfation (PA)	%	60	59	57	54
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	4	6	7
Sodium	ppm	2	2	2	3
Potassium	ppm	<1	<1	2	2



WEAR METALS

Iron	ppm	3	2	5	5
Copper	ppm	<1	1	1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	4	4
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	42	49	66	77
Nickel	ppm	0	0	<1	2
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	<1	<1



ADDITIVES

Calcium	ppm	1770	1719	1546	1251
Magnesium	ppm	553	536	531	501
Zinc	ppm	965	929	902	790
Phosphorus	ppm	878	803	791	634
Barium	ppm	0	0	0	34
Boron	ppm	54	72	74	81

Depot: SCHGRE
Unique No: 11084095
Signed: Wes Davis
Report Date: 19 Jun 2024

VOLVO **GRAPHS**

