



CONSTRUCTION EQUIPMENT

VOLVO A40G 352026 - DIESEL ENGINE



Sample No: VCP436365
Oil Type: MOBIL 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP436365	VCP445742	VCP395129	VCP341879
Sample Date	08 Feb 2024	29 Nov 2023	30 Oct 2023	09 Oct 2023
Machine Hours	9959	9644	9458	9322
Oil Hours	315	186	136	293
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 100°C	cSt	12.4	13.0	13.0	12.7
Base Number (BN)	mg KOH/g	6.5	7.0	7.4	7.2
Oxidation (PA)	%	60	58	59	62

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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)	%	69	66	65	64
Sulfation (PA)	%	50	48	49	50
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	0.5	<1.0	<1.0	<1.0
Silicon	ppm	6	5	6	5
Sodium	ppm	2	6	2	5
Potassium	ppm	2	2	<1	2

WEAR METALS

Iron	ppm	4	2	1	3
Copper	ppm	<1	0	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	5	3	4
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	118	129	115	100
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1252	1265	1274	1353
Magnesium	ppm	623	677	686	611
Zinc	ppm	836	885	901	881
Phosphorus	ppm	788	729	727	743
Barium	ppm	12	0	0	0
Boron	ppm	127	145	126	99

Depot: SCHGRE
Unique No: 10876043
Signed: Sean Felton
Report Date: 15 Feb 2024



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GRAPHS

