



CONSTRUCTION EQUIPMENT

633732 PRIMORIS VOLVO A40G 352781 - DROP BOX



Sample No: VCP432201
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 633732 PRIMORIS



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SAMPLE INFORMATION

Sample Number	VCP432201	VCP394250	VCP398833	VCP364283
Sample Date	15 Nov 2023	26 Apr 2023	20 Dec 2022	16 Aug 2022
Machine Hours	4220	3725	2564	2547
Oil Hours	4220	3725	2564	500
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	ATTENTION	NORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	▲ 46.8	▲ 49.3	■ 225	▲ 40.1
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ 14	■ 46	■ 10	■ 22
Sodium	ppm	■ 4	■ 6	■ 2	■ 10
Potassium	ppm	■ 6	■ 4	■ <1	■ 2



WEAR METALS

Iron	ppm	■ 93	■ 187	■ 51	■ 36
Copper	ppm	■ 11	■ 28	■ <1	▲ 200
Lead	ppm	■ <1	■ <1	■ 0	■ <1
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ 1	■ 0	■ 10	■ 2
Chromium	ppm	■ 1	■ 2	■ <1	■ <1
Molybdenum	ppm	■ 6	■ 13	■ 11	■ 0
Nickel	ppm	■ <1	■ <1	■ 0	■ 6
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	■ 2	■ 6	■ <1	■ 1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	■ 49	■ 51	■ 122	▲ 3619
Magnesium	ppm	■ 2	■ 3	■ 25	■ 8
Zinc	ppm	■ 77	■ 138	■ 90	▲ 1591
Phosphorus	ppm	■ 1043	2272	■ 1062	■ 1294
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	54	■ 112	■ 158	■ 104

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0093
Unique No: 10765284
Signed: Don Baldrige
Report Date: 03 Dec 2023



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GRAPHS

