



CONSTRUCTION EQUIPMENT

2603-1 VOLVO A40G 352 158 - DIESEL ENGINE



Sample No: VCP408328
Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40
Job No: 2603-1



SAMPLE INFORMATION

Sample Number	VCP408328	---	---	---
Sample Date	23 Aug 2023	---	---	---
Machine Hours	4569	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

MCCLUNG LOGAN

17941 SUSSEX HIGHWAY
 BRIDGEVILLE, DE
 US 19933

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OIL CONDITION

Visc @ 100°C	cSt	▲ 12.4	---	---	---
Base Number (BN)	mg KOH/g	■ 8.5	---	---	---
Oxidation (PA)	%	■ 53	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.



CONTAMINATION

Soot %	%	■ 0.1	---	---	---
Nitration (PA)	%	■ 58	---	---	---
Sulfation (PA)	%	■ 49	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	▲ 3.1	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	■ 10	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 56	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ <1	---	---	---



ADDITIVES

Calcium	ppm	■ 1163	---	---	---
Magnesium	ppm	■ 929	---	---	---
Zinc	ppm	■ 1260	---	---	---
Phosphorus	ppm	■ 1022	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 1	---	---	---

Depot: VOLVO1023
Unique No: 10622178
Signed: Sean Felton
Report Date: 30 Aug 2023



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GRAPHS

