



CONSTRUCTION EQUIPMENT

VOLVO A40G 342619 - DIESEL ENGINE



Sample No: VCP426678
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP426678	---	---	---
Sample Date	12 Aug 2023	---	---	---
Machine Hours	7325	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 100°C	cSt	▲ 12.2	---	---	---
Base Number (BN)	mg KOH/g	■ 5.3	---	---	---
Oxidation (PA)	%	96	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.4	---	---	---
Nitration (PA)	%	93	---	---	---
Sulfation (PA)	%	68	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 3.1	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 1	---	---	---



WEAR METALS

Iron	ppm	■ 25	---	---	---
Copper	ppm	■ 12	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 12	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 41	---	---	---
Nickel	ppm	■ 9	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1633	---	---	---
Magnesium	ppm	■ 510	---	---	---
Zinc	ppm	■ 1108	---	---	---
Phosphorus	ppm	■ 817	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 8	---	---	---

Depot: VOLVO0093
Unique No: 10605795
Signed: Wes Davis
Report Date: 17 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

