



CONSTRUCTION EQUIPMENT

323739 VOLVO A40G 352371 - DIESEL ENGINE



Sample No: VCP334173
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 323739



SAMPLE INFORMATION

Sample Number	VCP334173	---	---	---
Sample Date	14 Jul 2022	---	---	---
Machine Hours	3883	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

Strongco Equipment
 5179 Fountain St N.
 Breslau, ON
 CA N0B 1M0
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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Oxidation (PA)	%	█ 85	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 74	---	---	---
Sulfation (PA)	%	█ 65	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis
 The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Nickel ppm levels are abnormal. Exhaust valve wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 16	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 33	---	---	---
Nickel	ppm	▲ 12	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 1745	---	---	---
Magnesium	ppm	█ 434	---	---	---
Zinc	ppm	█ 1092	---	---	---
Phosphorus	ppm	█ 933	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 47	---	---	---

Depot: CASKIT
Unique No: 5435425
Signed: Kevin Marson
Report Date: 29 Jul 2022



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GRAPHS

