



CONSTRUCTION EQUIPMENT

6407 VOLVO A40G 353008 - DIESEL ENGINE



Sample No: VCP422397
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 6407



SAMPLE INFORMATION

Sample Number	VCP422397	---	---	---
Sample Date	30 Mar 2023	---	---	---
Machine Hours	3012	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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 MACON, GA
 US 31206
 Contact: HALIE BAKER
 halie.baker@ascendummachinery.com
 T:
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OIL CONDITION

Visc @ 100°C	cSt	▲ 12.1	---	---	---
Base Number (BN)	mg KOH/g	■ 10.9	---	---	---
Oxidation (PA)	%	84	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Sodium and/or potassium levels are high. Fuel content negligible. Test for glycol is negative. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	71	---	---	---
Sulfation (PA)	%	63	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	▲ 111	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 43	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 1805	---	---	---
Magnesium	ppm	■ 543	---	---	---
Zinc	ppm	■ 1205	---	---	---
Phosphorus	ppm	■ 998	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 41	---	---	---

Depot: ASCMAC
Unique No: 10536795
Signed: Jonathan Hester
Report Date: 03 Jul 2023



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GRAPHS

