



CONSTRUCTION EQUIPMENT

689395 VOLVO A40G 353159 - DIESEL ENGINE



Sample No: VCP455108
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 689395



SAMPLE INFORMATION

Sample Number	VCP455108	---	---	---
Sample Date	28 Mar 2024	---	---	---
Machine Hours	2692	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 100°C	cSt	● 11.8	---	---	---
Base Number (BN)	mg KOH/g	■ 4.8	---	---	---
Oxidation (PA)	%	65	---	---	---

T: (407)215-0410
 F:

Diagnosis

The oil 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. Valve wear is indicated. All other component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	65	---	---	---
Sulfation (PA)	%	68	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 6	---	---	---
Potassium	ppm	■ 0	---	---	---

WEAR METALS

Iron	ppm	■ 15	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	97	---	---	---
Nickel	ppm	▲ 7	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1580	---	---	---
Magnesium	ppm	■ 414	---	---	---
Zinc	ppm	■ 1315	---	---	---
Phosphorus	ppm	■ 1050	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 48	---	---	---

Depot: JONLON
Unique No: 10994125
Signed: Don Baldrige
Report Date: 26 Apr 2024



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GRAPHS

