



CONSTRUCTION EQUIPMENT

25494 VOLVO A45G 753626 - DIESEL ENGINE



Sample No: VCP421592
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 25494



SAMPLE INFORMATION

Sample Number	VCP421592	---	---	---
Sample Date	16 Apr 2024	---	---	---
Machine Hours	576	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

218 - ASCENDUM MACHINERY INC - N. CHARLESTON
 7235 CROSS COUNTRY RD.
 NORTH CHARLESTON, SC
 US 29418
 Contact: MATT MITCHAM
 matt.mitcham@ascendummachinery.com
 T:
 F: (843)414-1129



OIL CONDITION

Visc @ 100°C	cSt	● 10.6	---	---	---
Base Number (BN)	mg KOH/g	■ 5.7	---	---	---
Oxidation (PA)	%	■ 59	---	---	---

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. Metal levels are typical for a new component breaking in. 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 %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 80	---	---	---
Sulfation (PA)	%	■ 54	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 0.6	---	---	---
Silicon	ppm	■ 25	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 0	---	---	---



WEAR METALS

Iron	ppm	■ 19	---	---	---
Copper	ppm	■ 300	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 82	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2211	---	---	---
Magnesium	ppm	■ 18	---	---	---
Zinc	ppm	■ 1072	---	---	---
Phosphorus	ppm	■ 910	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 32	---	---	---

Depot: VOLVO3387
Unique No: 10990964
Signed: Don Baldrige
Report Date: 25 Apr 2024



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GRAPHS

