



CONSTRUCTION EQUIPMENT

23664 VOLVO EC350 314351 - DIESEL ENGINE



Sample No: VCP404626
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 23664



SAMPLE INFORMATION

Sample Number	VCP404626	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	1914	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 6.0	---	---	---
Oxidation (PA)	%	92	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	93	---	---	---
Sulfation (PA)	%	68	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	█ 0.8	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---



WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 39	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1868	---	---	---
Magnesium	ppm	█ 356	---	---	---
Zinc	ppm	█ 1051	---	---	---
Phosphorus	ppm	█ 788	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 14	---	---	---

Depot: VOLVO3387
Unique No: 10547692
Signed: Wes Davis
Report Date: 11 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

