



CONSTRUCTION EQUIPMENT

24833 VOLVO DD70HF 275083 - DIESEL ENGINE



Sample No: VCP441240
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 24833



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

SAMPLE INFORMATION

Sample Number	VCP441240	VCP133111	---	---
Sample Date	29 Jan 2024	25 May 2012	---	---
Machine Hours	5033	727	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 11.9	█ 13.7	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	83	█ 4	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.2	█ 0	---	---
Nitration (PA)	%	73	█ 8	---	---
Sulfation (PA)	%	63	█ 8	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	█ 4.5	<1.0	---	---
Silicon	ppm	█ 12	█ 3	---	---
Sodium	ppm	█ 3	█ 6	---	---
Potassium	ppm	█ 0	█ 1	---	---

WEAR METALS

Iron	ppm	█ 51	█ 4	---	---
Copper	ppm	█ 2	█ <1	---	---
Lead	ppm	█ 0	█ 3	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 9	█ 2	---	---
Chromium	ppm	█ 2	█ <1	---	---
Molybdenum	ppm	█ 48	█ 42	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1783	█ 1347	---	---
Magnesium	ppm	█ 564	█ 849	---	---
Zinc	ppm	█ 1188	█ 1068	---	---
Phosphorus	ppm	█ 993	█ 1010	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 69	█ 55	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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.

Depot: VOLVO3387
Unique No: 10861611
Signed: Wes Davis
Report Date: 07 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

