



CONSTRUCTION EQUIPMENT

4306DR AMERI ASPHALT VOLVO EC750EL 3 14024 - DIESEL ENGINE



Sample No: VCP428610
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 4306DR AMERI ASPHALT



SAMPLE INFORMATION

Sample Number	VCP428610	---	---	---
Sample Date	20 Jun 2024	---	---	---
Machine Hours	8614	---	---	---
Oil Hours	300	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

HIGHWAY EQUIPMENT & SUPPLY CO
 PO BOX 127
 DRUMS, PA
 US 18222
 Contact: JUSTIN BLOSS
 justin@hwyequip.com
 T: (570)788-1127
 F: (570)708-2933



OIL CONDITION

Visc @ 100°C	cSt	● 10.0	---	---	---
Base Number (BN)	mg KOH/g	■ 4.7	---	---	---
Oxidation (PA)	%	54	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 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 %	%	■ 0.1	---	---	---
Nitration (PA)	%	38	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 6	---	---	---



WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 5	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 1346	---	---	---
Magnesium	ppm	■ 39	---	---	---
Zinc	ppm	■ 704	---	---	---
Phosphorus	ppm	■ 639	---	---	---
Barium	ppm	■ 1	---	---	---
Boron	ppm	■ 12	---	---	---

Depot: VOLVO0022
Unique No: 11097447
Signed: Jonathan Hester
Report Date: 28 Jun 2024

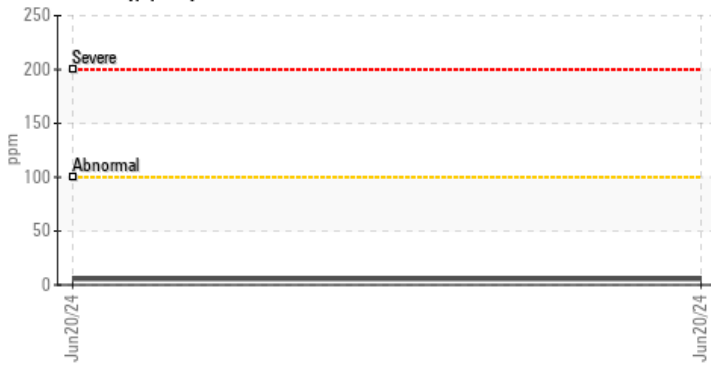


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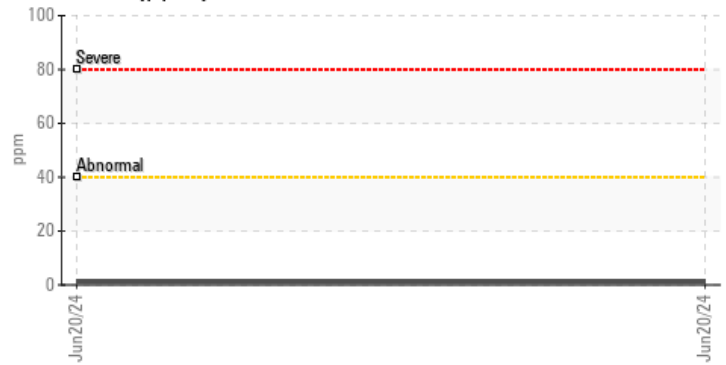


GRAPHS

Iron (ppm)



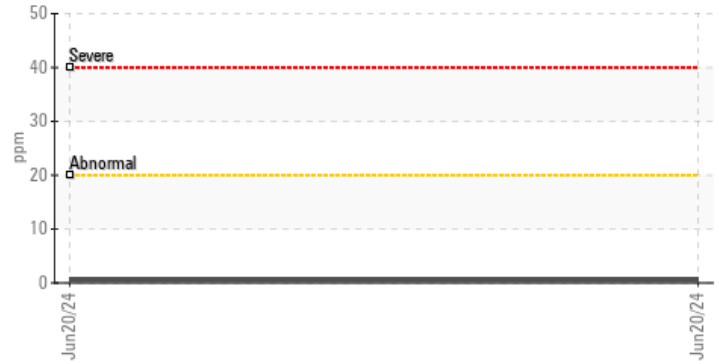
Lead (ppm)



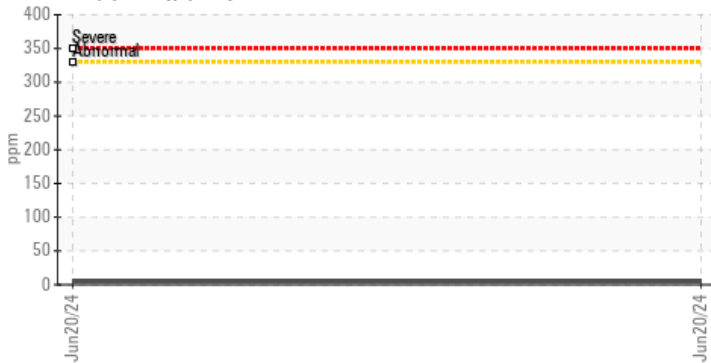
Aluminum (ppm)



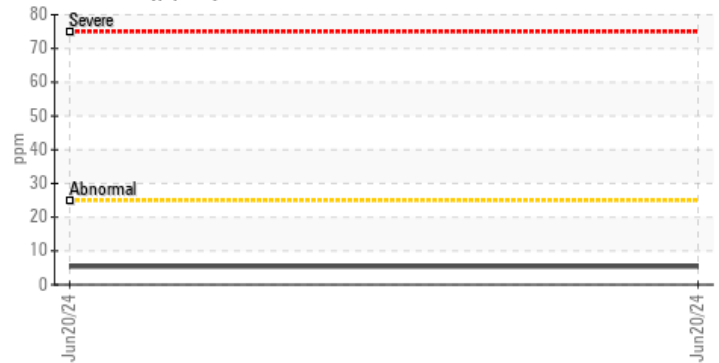
Chromium (ppm)



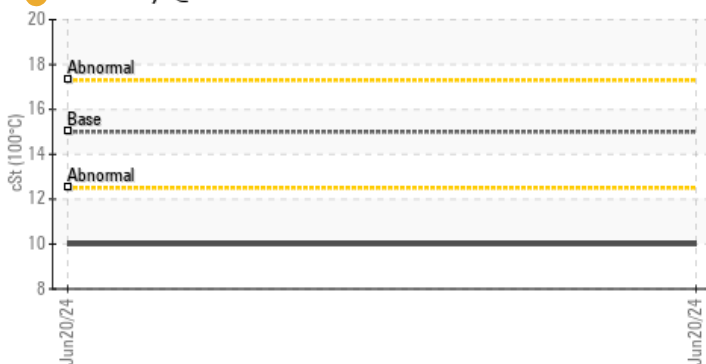
Copper (ppm)



Silicon (ppm)



● Viscosity @ 100°C



Base Number

