



CONSTRUCTION EQUIPMENT

701071 ALTA RENTS VOLVO A25G 752599 - DIESEL ENGINE



Sample No: VCP446439
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 701071 ALTA RENTS



SAMPLE INFORMATION

Sample Number	VCP446439	---	---	---
Sample Date	05 Apr 2024	---	---	---
Machine Hours	775	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.0	---	---	---
Base Number (BN)	mg KOH/g	■ 6.1	---	---	---
Oxidation (PA)	%	60	---	---	---

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. 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)	%	76	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.5	---	---	---
Silicon	ppm	■ 64	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---



WEAR METALS

Iron	ppm	■ 23	---	---	---
Copper	ppm	■ 332	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 83	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 1	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 2255	---	---	---
Magnesium	ppm	81	---	---	---
Zinc	ppm	■ 1202	---	---	---
Phosphorus	ppm	■ 1012	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 81	---	---	---

Depot: VOLVO0096
Unique No: 10968743
Signed: Angela Borella
Report Date: 15 Apr 2024

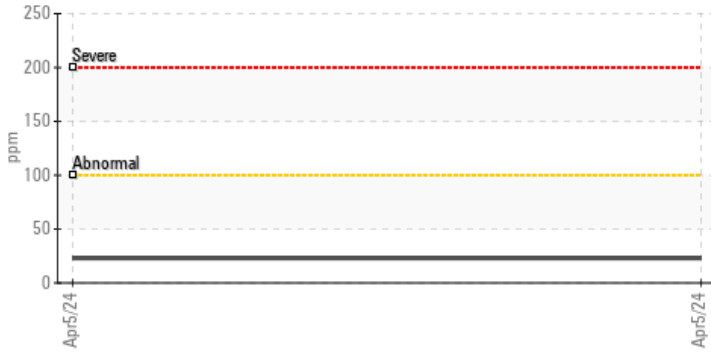


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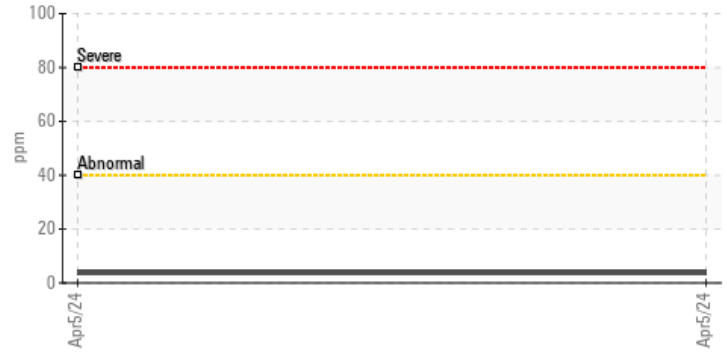


GRAPHS

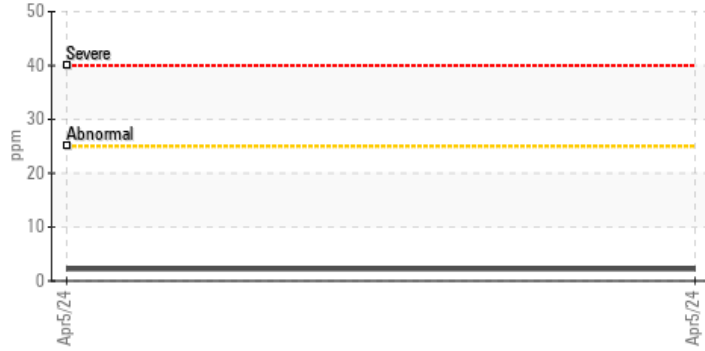
Iron (ppm)



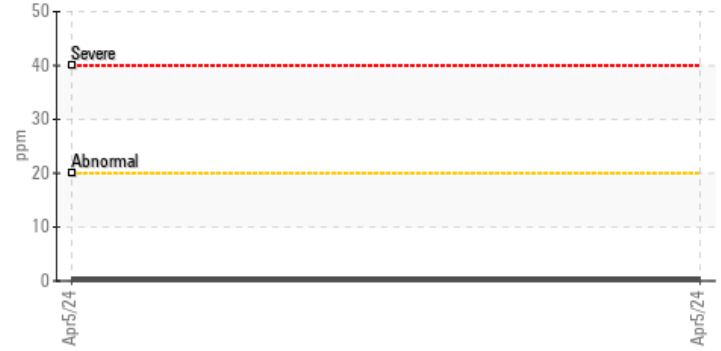
Lead (ppm)



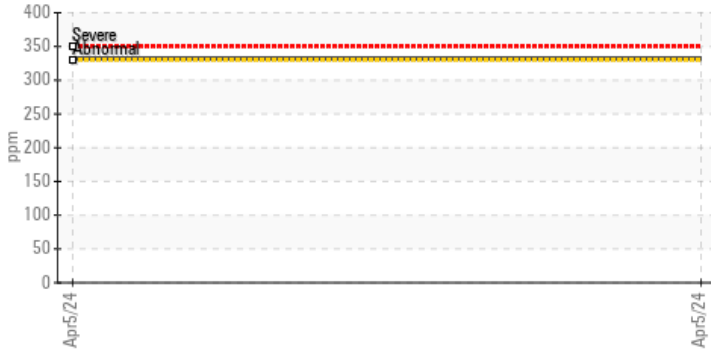
Aluminum (ppm)



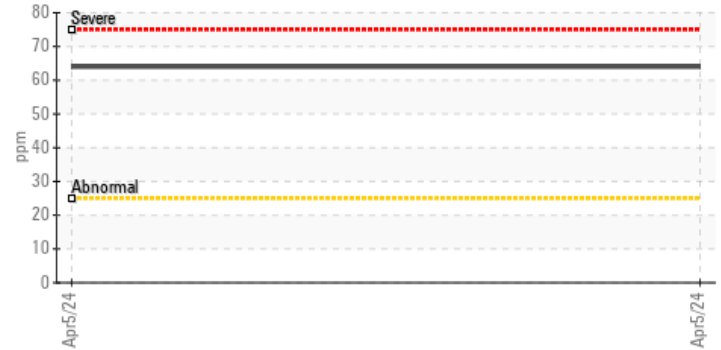
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



▲ Viscosity @ 100°C



Base Number

