



CONSTRUCTION EQUIPMENT

SW1033220 STEFFEY VOLVO EC220EL 315945 - DIESEL ENGINE



Sample No: VCP438516
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SW1033220 STEFFEY



SAMPLE INFORMATION

Sample Number	VCP438516	---	---	---
Sample Date	20 Apr 2024	---	---	---
Machine Hours	512	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 5.7	---	---	---
Oxidation (PA)	%	67	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	72	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 24	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 33	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 2169	---	---	---
Magnesium	ppm	█ 171	---	---	---
Zinc	ppm	█ 1161	---	---	---
Phosphorus	ppm	█ 990	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 77	---	---	---

Depot: VOLVO6174
Unique No: 11004796
Signed: Wes Davis
Report Date: 01 May 2024

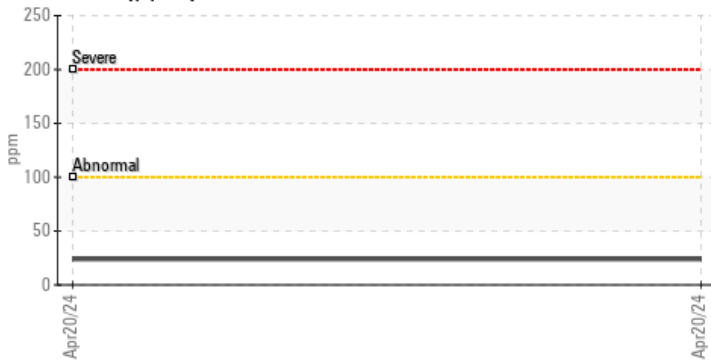


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GRAPHS

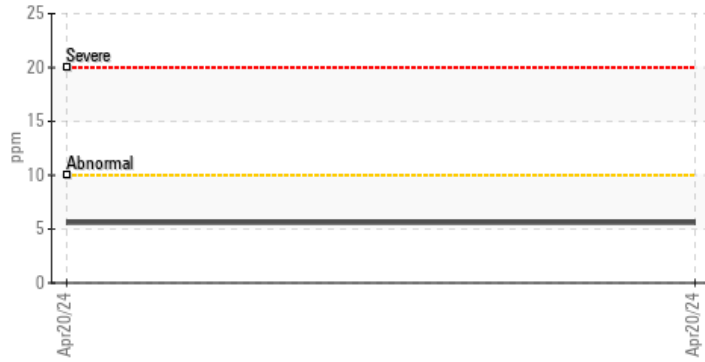
Iron (ppm)



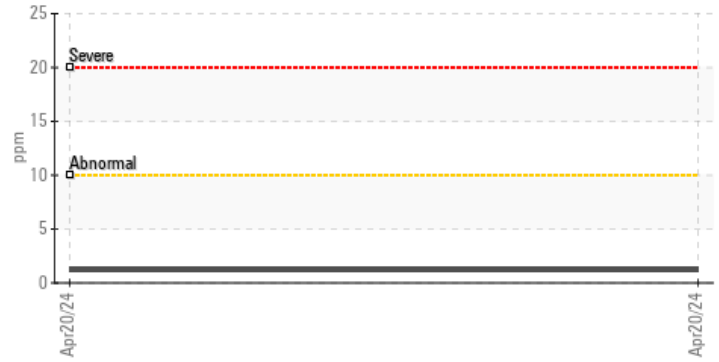
Lead (ppm)



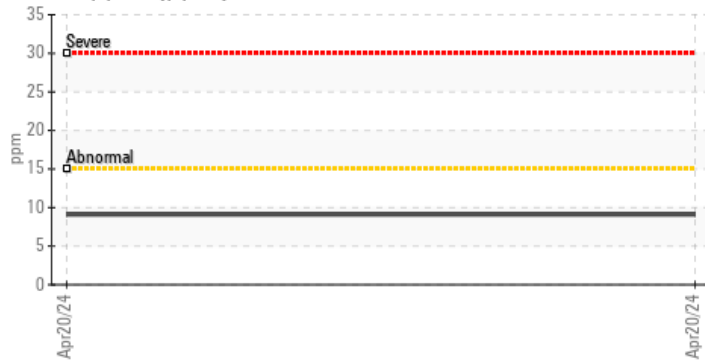
Aluminum (ppm)



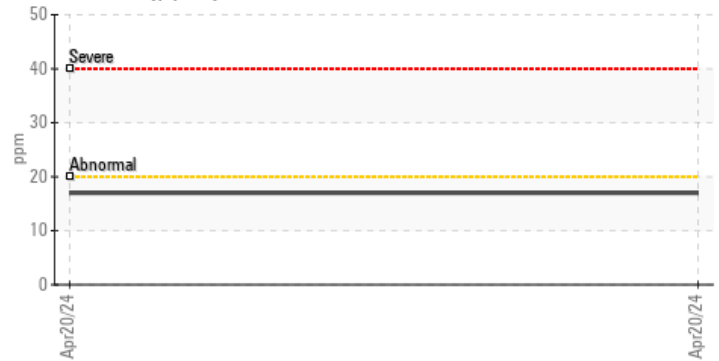
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

