



CONSTRUCTION EQUIPMENT

436205 STONE PLUS VOLVO L356S 03420312 - DIESEL ENGINE



Sample No: VCP435560
Oil Type: {unknown}
Job No: 436205 STONE PLUS



SAMPLE INFORMATION

Sample Number	VCP435560	---	---	---
Sample Date	05 Jan 2024	---	---	---
Machine Hours	5015	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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JACKSONVILLE, FL
US 32256
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OIL CONDITION

Visc @ 100°C	cSt	10.7	---	---	---
Base Number (BN)	mg KOH/g	8.0	---	---	---
Oxidation (PA)	%	91	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.3	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	0.6	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	6	---	---	---
Potassium	ppm	3	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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 acceptable for the time in service.

WEAR METALS

Iron	ppm	23	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	37	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	1525	---	---	---
Magnesium	ppm	461	---	---	---
Zinc	ppm	1032	---	---	---
Phosphorus	ppm	861	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	26	---	---	---

Depot: VOLVO0092
Unique No: 10822412
Signed: Jonathan Hester
Report Date: 12 Jan 2024

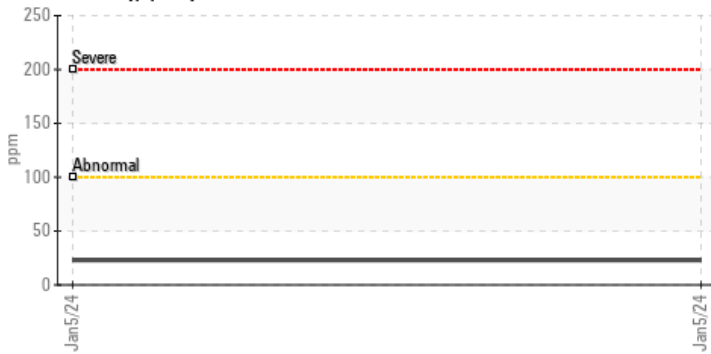


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GRAPHS

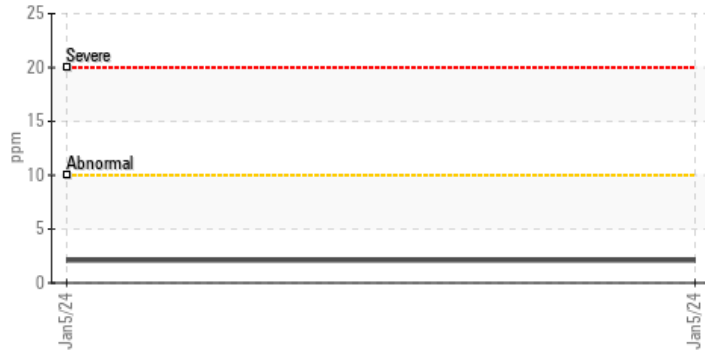
Iron (ppm)



Lead (ppm)



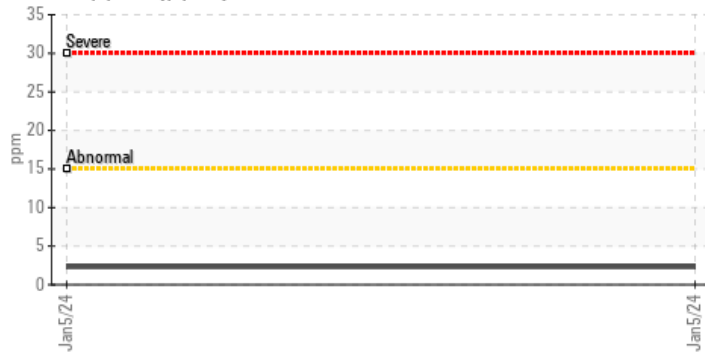
Aluminum (ppm)



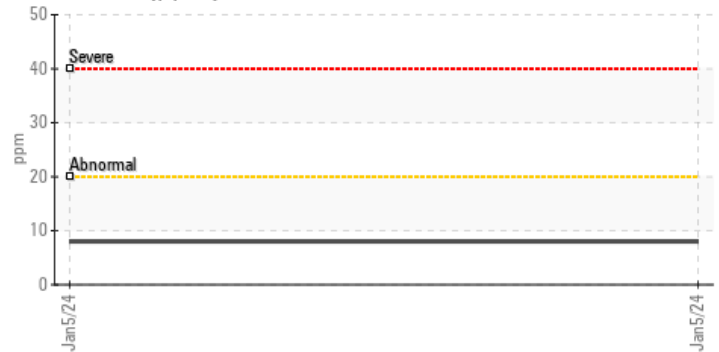
Chromium (ppm)



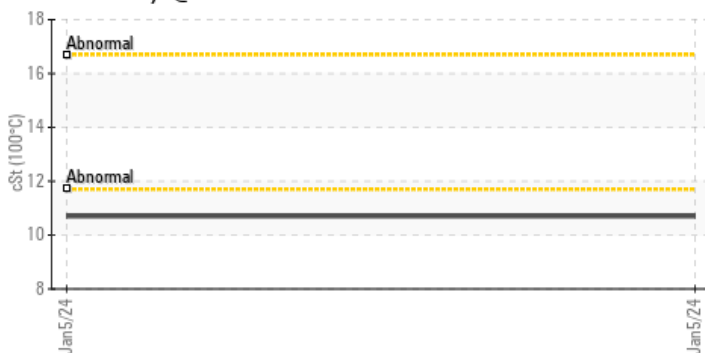
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

