



CONSTRUCTION EQUIPMENT

SPM659456 OLD CASTLE VOLVO L90H 627003 - DIESEL ENGINE



Sample No: VCP433798
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM659456 OLD CASTLE



ALTA CONSTRUCTION EQUIPMENT
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T:
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SAMPLE INFORMATION

Sample Number	VCP433798	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	568	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.5	---	---	---
Oxidation (PA)	%	77	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	59	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1436	---	---	---
Magnesium	ppm	█ 551	---	---	---
Zinc	ppm	█ 1059	---	---	---
Phosphorus	ppm	█ 933	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 46	---	---	---

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.

Depot: VOLVO5055
Unique No: 10847960
Signed: Wes Davis
Report Date: 26 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

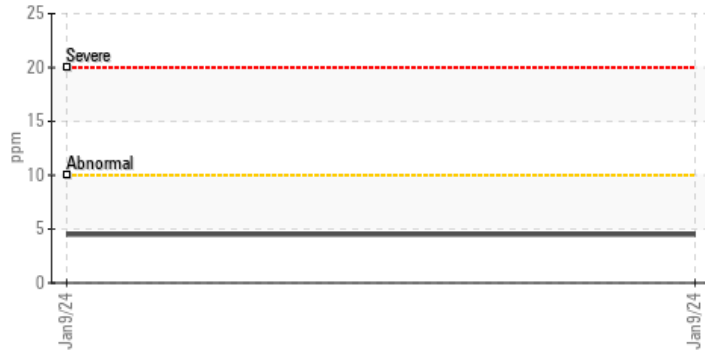
Iron (ppm)



Lead (ppm)



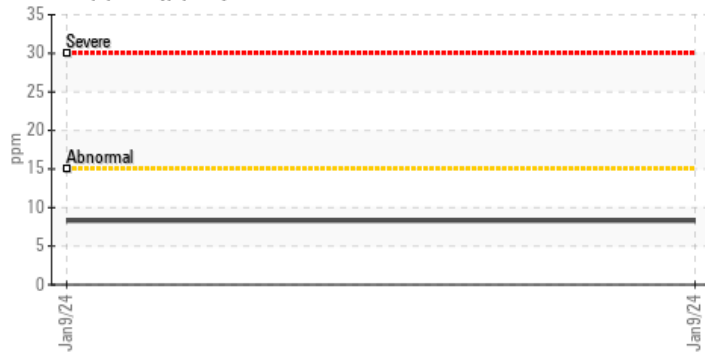
Aluminum (ppm)



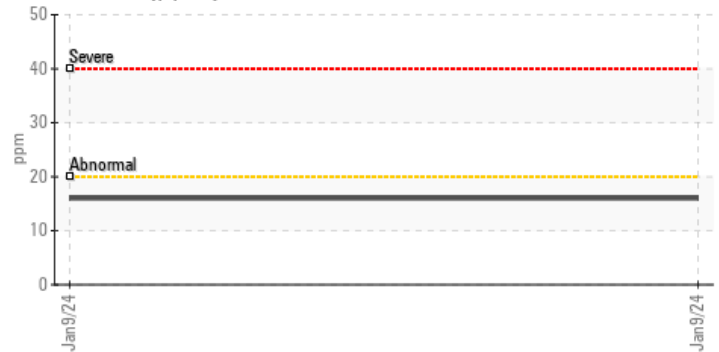
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

