



CONSTRUCTION EQUIPMENT

R24213 IAA AVENEL VOLVO L90H 627115 - DIESEL ENGINE



Sample No: VCP436556
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: R24213 IAA AVENEL



SAMPLE INFORMATION

Sample Number	VCP436556	---	---	---
Sample Date	02 Feb 2024	---	---	---
Machine Hours	452	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	73	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm.
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)	%	53	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 26	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 27	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 41	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1653	---	---	---
Magnesium	ppm	█ 619	---	---	---
Zinc	ppm	█ 1211	---	---	---
Phosphorus	ppm	█ 1033	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 61	---	---	---

Depot: HOFPISNJ
Unique No: 10872640
Signed: Wes Davis
Report Date: 12 Feb 2024



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GRAPHS

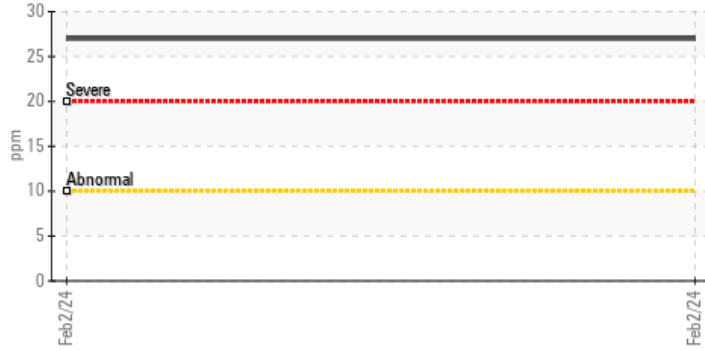
Iron (ppm)



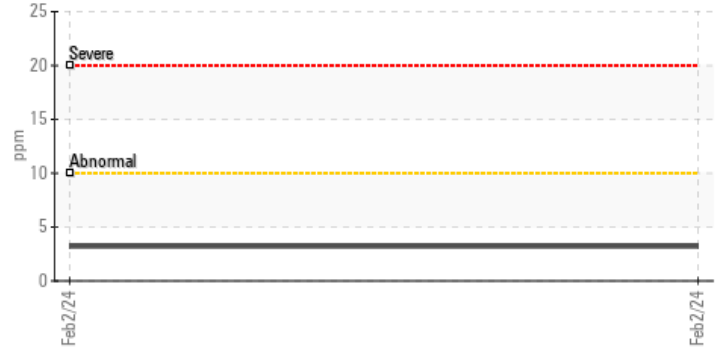
Lead (ppm)



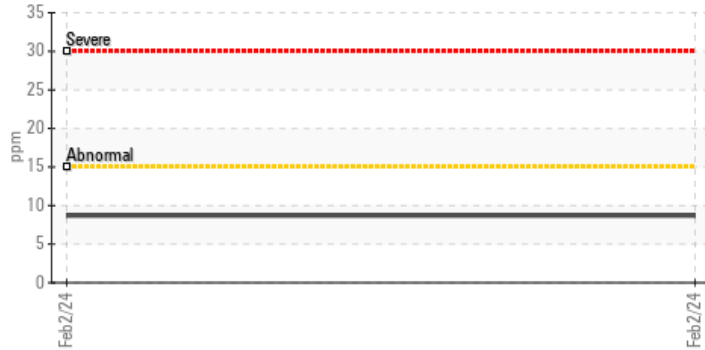
Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

