



CONSTRUCTION EQUIPMENT

VOLVO L90H 627063 - DIESEL ENGINE



Sample No: VCP432424
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP432424	---	---	---
Sample Date	17 Jan 2024	---	---	---
Machine Hours	94	---	---	---
Oil Hours	94	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

COVANTA ENERGY
 141 CRANBERRY HWY
 WEST WAREHAM, MA
 US 02576
 Contact: SAWYER
 ssawyer@woodcomachinery.com
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	68	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 acceptable for the time in service.



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 20	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 23	---	---	---



WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 48	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1553	---	---	---
Magnesium	ppm	█ 598	---	---	---
Zinc	ppm	█ 1174	---	---	---
Phosphorus	ppm	█ 1050	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 72	---	---	---

Depot: COVWES
Unique No: 10836665
Signed: Angela Borella
Report Date: 23 Jan 2024



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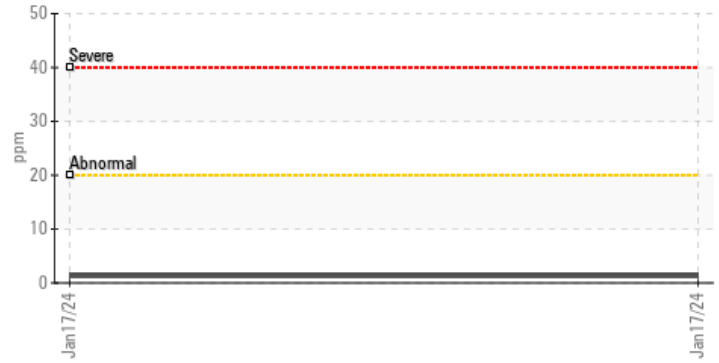


GRAPHS

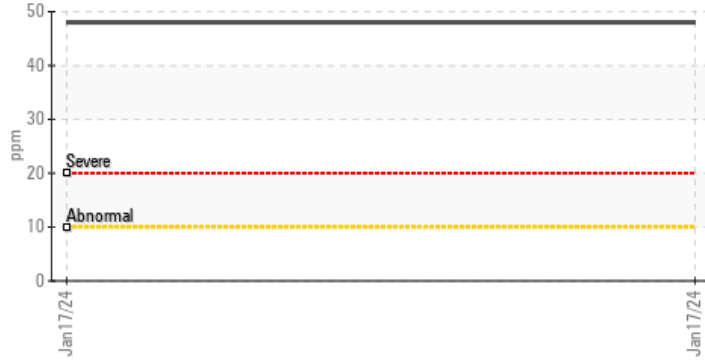
Iron (ppm)



Lead (ppm)



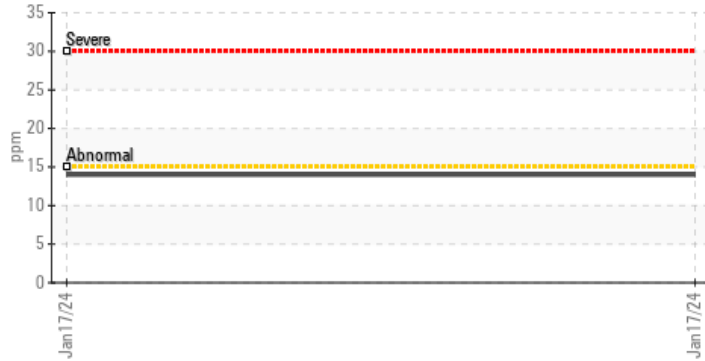
Aluminum (ppm)



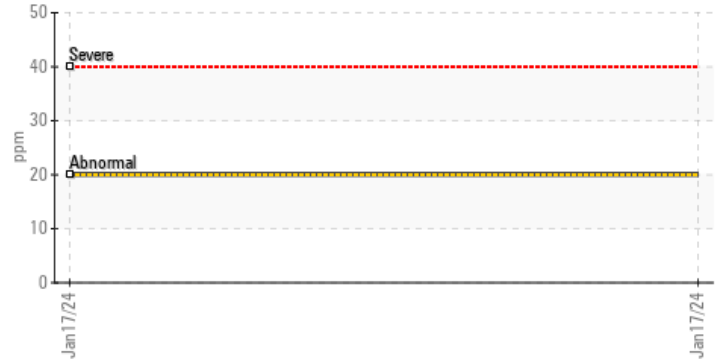
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

