



CONSTRUCTION EQUIPMENT

10123 HERC VOLVO ECR235E 315177 - DIESEL ENGINE



Sample No: VCP416864
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 10123 HERC



SAMPLE INFORMATION

Sample Number	VCP416864	---	---	---
Sample Date	04 Jan 2024	---	---	---
Machine Hours	492	---	---	---
Oil Hours	492	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 6.3	---	---	---
Oxidation (PA)	%	44	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a components first oil change. 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 %	%	█ 0.1	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 17	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 8	---	---	---



WEAR METALS

Iron	ppm	█ 86	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 20	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ 13	---	---	---
Nickel	ppm	█ 7	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2122	---	---	---
Magnesium	ppm	100	---	---	---
Zinc	ppm	█ 1179	---	---	---
Phosphorus	ppm	█ 917	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 47	---	---	---

Depot: VOLVO0264
Unique No: 10823579
Signed: Wes Davis
Report Date: 11 Jan 2024

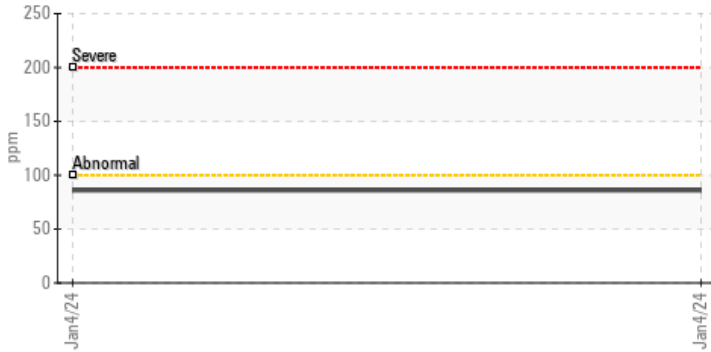


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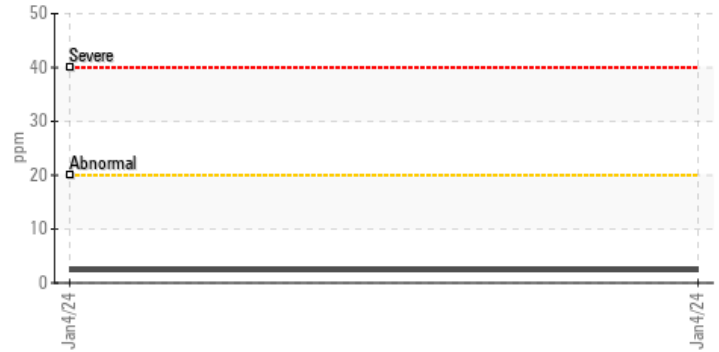


GRAPHS

Iron (ppm)



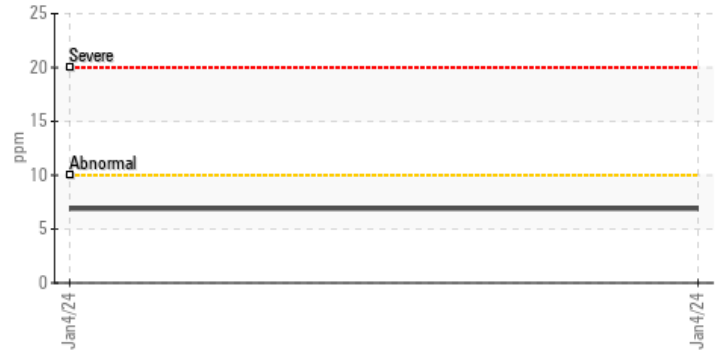
Lead (ppm)



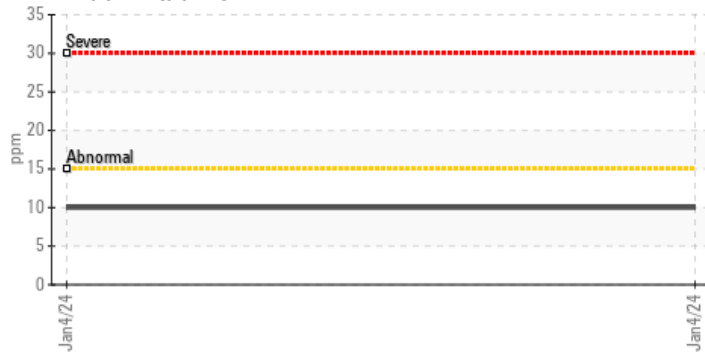
Aluminum (ppm)



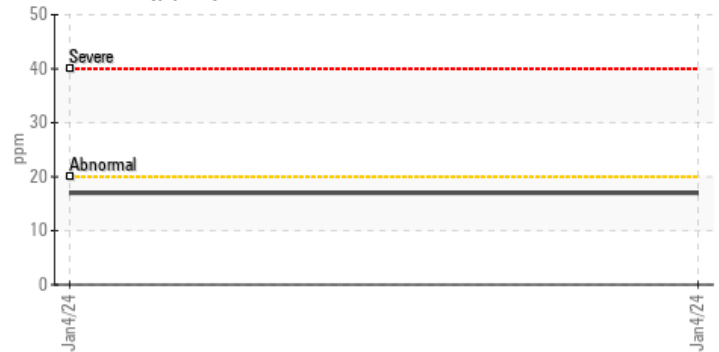
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

