



CONSTRUCTION EQUIPMENT

W0229973 VOLVO EC280E 316085 - DIESEL ENGINE



Sample No: VCP428606
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W0229973



ROMCO INC
1350 NE LOOP 820
FORT WORTH, TX
US 76106
Contact: ROB HOLCOMB
rholcomb@romco.com
T: (817)798-9289
F: (817)626-8983



SAMPLE INFORMATION

Sample Number	VCP428606	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 100°C	cSt	█ 12.5	---	---	---
Base Number (BN)	mg KOH/g	█ 9.1	---	---	---
Oxidation (PA)	%	61	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 6	---	---	---



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 111	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 2	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1399	---	---	---
Magnesium	ppm	█ 614	---	---	---
Zinc	ppm	█ 767	---	---	---
Phosphorus	ppm	█ 718	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 369	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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: VOLVO0081
Unique No: 10874269
Signed: Wes Davis
Report Date: 13 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

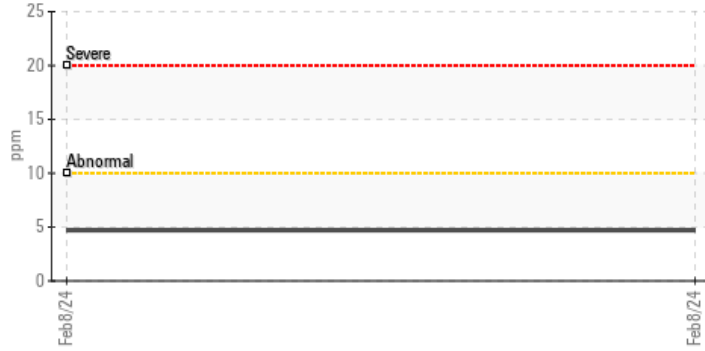
Iron (ppm)



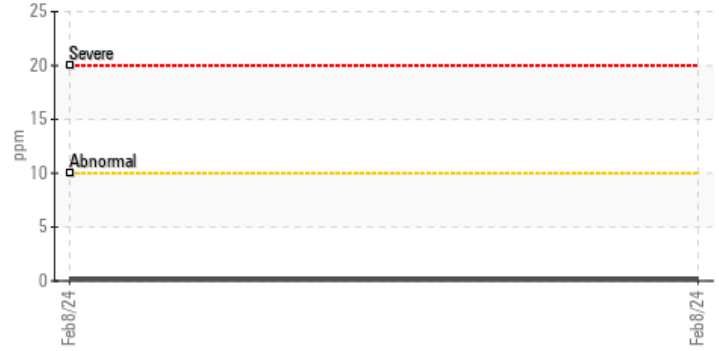
Lead (ppm)



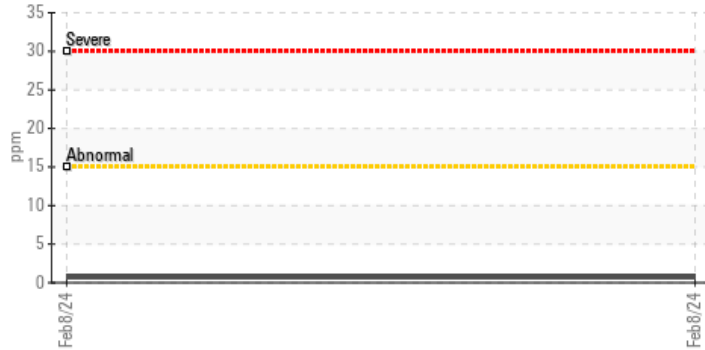
Aluminum (ppm)



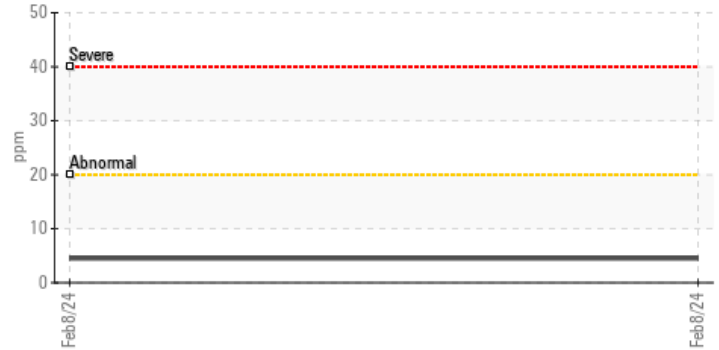
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

