



CONSTRUCTION EQUIPMENT

W0330012 MGC CONTRAC VOLVO EC300E 314688 - DIESEL ENGINE



Sample No: VCP411138
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: W0330012 MGC CONTRAC



SAMPLE INFORMATION

Sample Number	VCP411138	VCP372410	---	---
Sample Date	05 Apr 2024	13 Jan 2023	---	---
Machine Hours	3184	2207	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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PO BOX 200210
SAN ANTONIO, TX
US 78220
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	█ 12.9	---	---
Base Number (BN)	mg KOH/g	█ 8.0	█ 9.0	---	---
Oxidation (PA)	%	64	63	---	---

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.



CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	55	60	---	---
Sulfation (PA)	%	60	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 6	█ 6	---	---
Sodium	ppm	█ 1	█ 0	---	---
Potassium	ppm	█ 8	█ 0	---	---



WEAR METALS

Iron	ppm	█ 8	█ 4	---	---
Copper	ppm	█ 3	█ 3	---	---
Lead	ppm	█ 1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 7	█ 4	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 100	█ 124	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 1644	█ 1436	---	---
Magnesium	ppm	█ 482	█ 627	---	---
Zinc	ppm	█ 1457	█ 808	---	---
Phosphorus	ppm	█ 1155	█ 669	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 407	█ 293	---	---

Depot: VOLVO0170
Unique No: 10970508
Signed: Wes Davis
Report Date: 12 Apr 2024

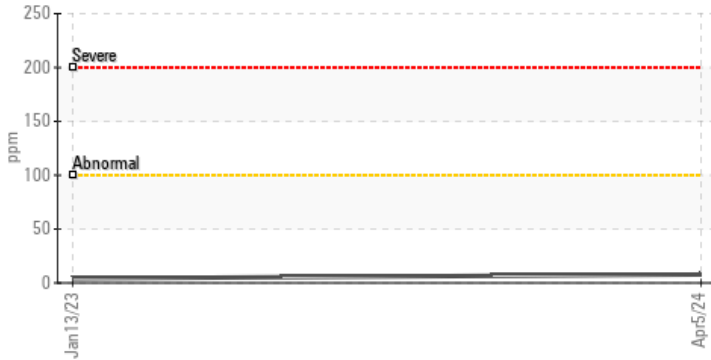


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GRAPHS

Iron (ppm)



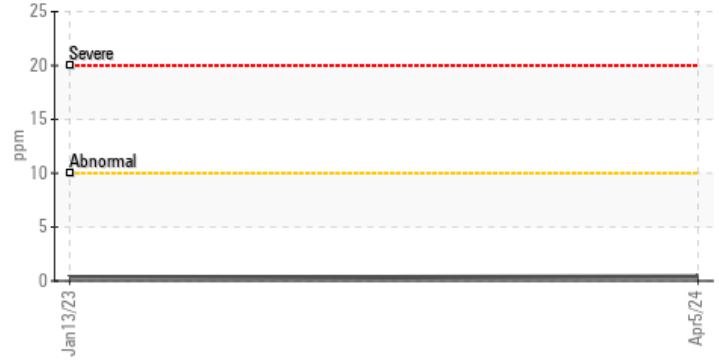
Lead (ppm)



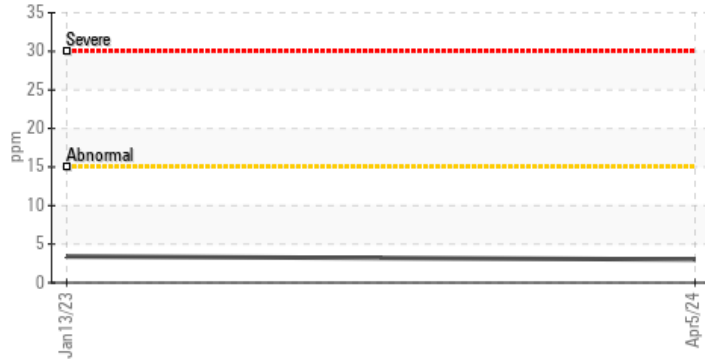
Aluminum (ppm)



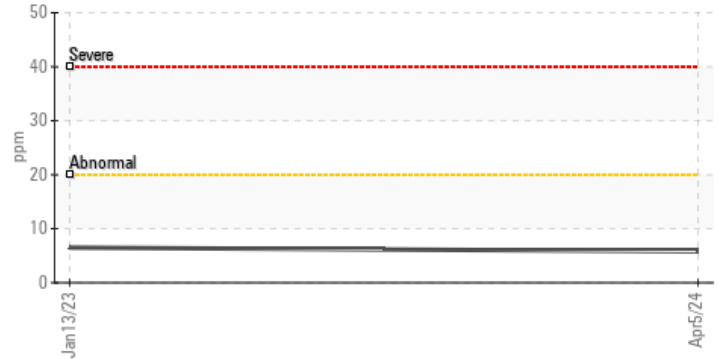
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

