



CONSTRUCTION EQUIPMENT

RSO035103 VOLVO EC220E 314777 - REAR RIGHT FINAL DRIVE



Sample No: VCP415178
Oil Type: COWIN 80W90
Job No: RSO035103



SAMPLE INFORMATION

Sample Number	VCP415178	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	874	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

COWIN EQUIPMENT COMPANY

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PENSACOLA, FL
US 32534

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HDOBBS@COWIN.COM
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OIL CONDITION

Visc @ 40°C	cSt	█ 176	---	---	---
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CONTAMINATION

Silicon	ppm	█ 135	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 11	---	---	---



WEAR METALS

Iron	ppm	█ 1382	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	█ 19	---	---	---
Molybdenum	ppm	4	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ 2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	19	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	27	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	27	---	---	---
Phosphorus	ppm	288	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

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 condition of the oil is acceptable for the time in service.

Depot: VOLVO8247
Unique No: 10616430
Signed: Wes Davis
Report Date: 23 Aug 2023

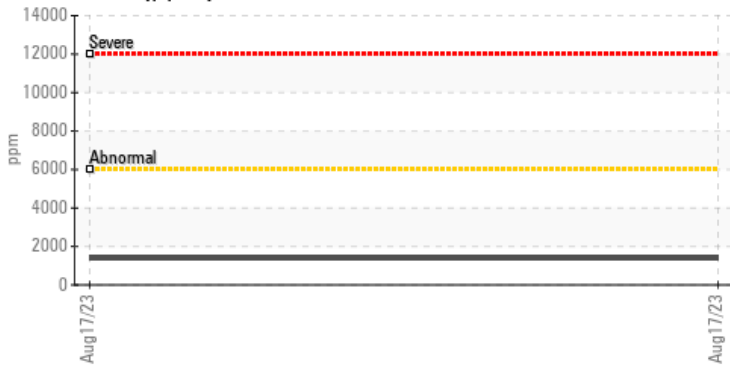


CONSTRUCTION EQUIPMENT

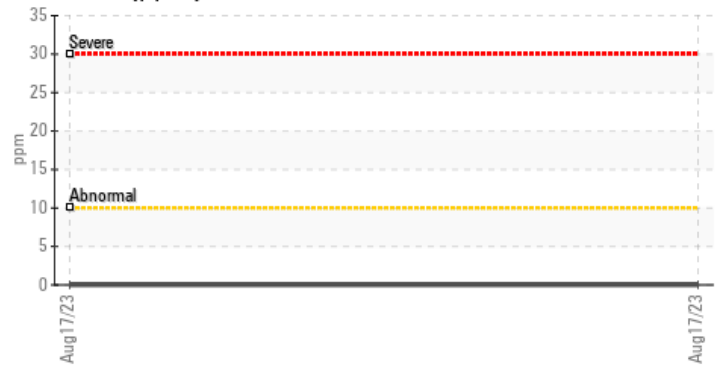


GRAPHS

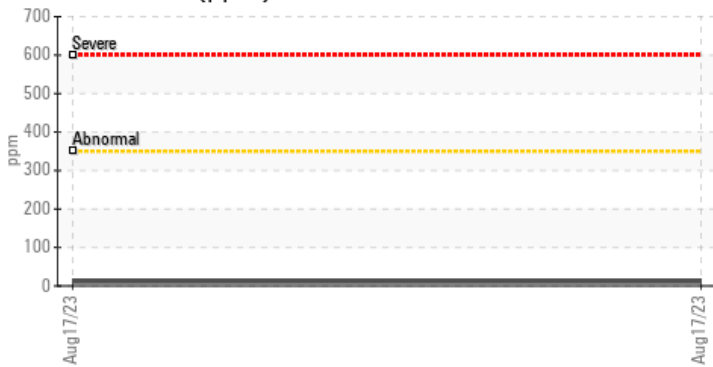
Iron (ppm)



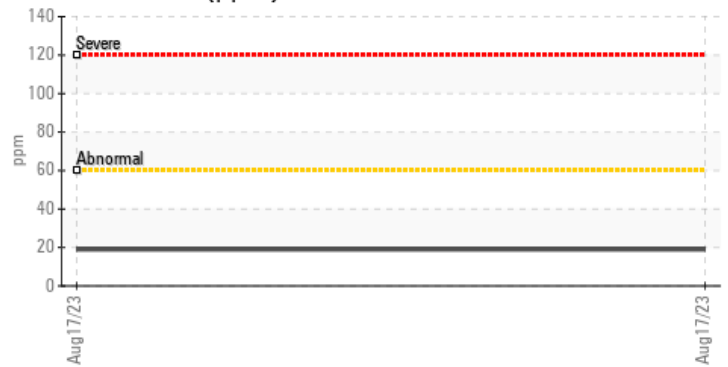
Lead (ppm)



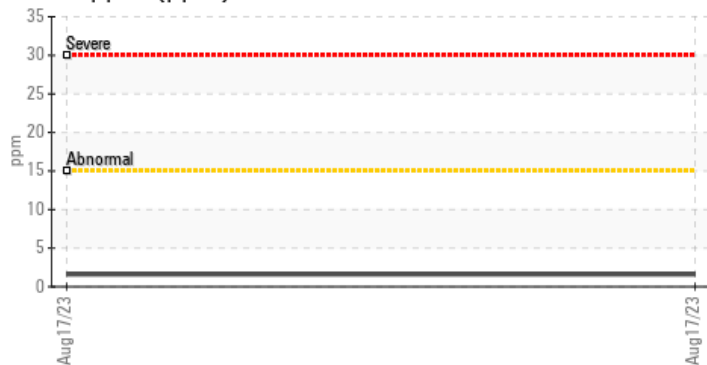
Aluminum (ppm)



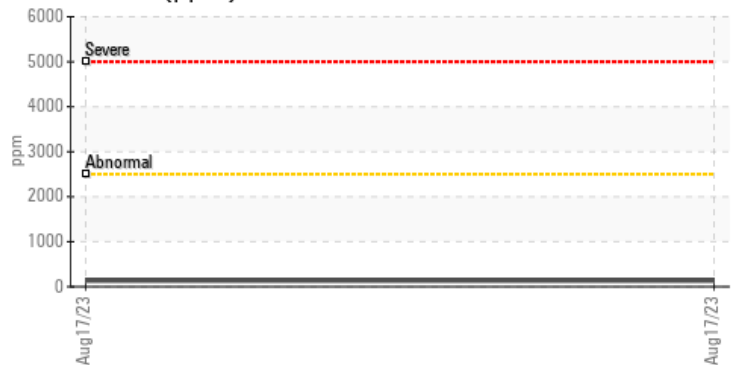
Chromium (ppm)



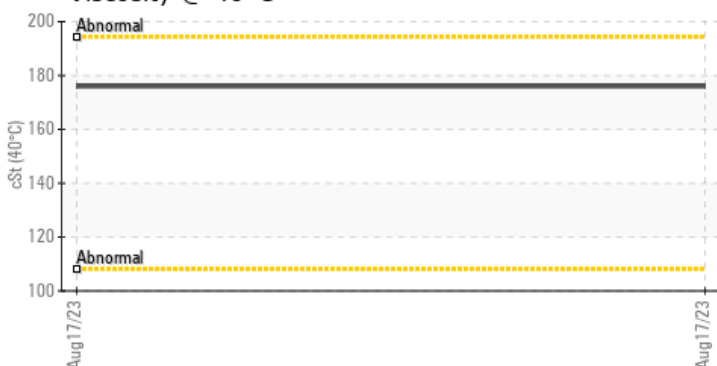
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

