CONSTRUCTION EQUIPMENT
70967 COUCH VOLVO A45G 352798 - GEARBOX

Sample No: VCP443537
Oil Type: VOLVO
Job No: 70967 COUCH

COWIN EQUIPMENT COMPANY
7950 PITTMAN AVE
PENSACOLA, FL
US 32534
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T: (850)479-3004
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SAMPLE INFORMATION

Sample Number		**VCP443537**	---	---	---
Sample Date		**04 Apr 2024**	---	---	---
Machine Hours		**3950**	---	---	---
Oil Hours		**0**	---	---	---
Oil Changed		**Changed**	---	---	---
Sample Status		**ABNORMAL**	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	**39.6**	---	---	---

CONTAMINATION

Water	%	**NEG**	---	---	---
Silicon	ppm	**25**	---	---	---
Sodium	ppm	**10**	---	---	---
Potassium	ppm	**3**	---	---	---

WEAR METALS

Iron	ppm	**49**	---	---	---
Copper	ppm	**277**	---	---	---
Lead	ppm	**<1**	---	---	---
Tin	ppm	**1**	---	---	---
Aluminum	ppm	**4**	---	---	---
Chromium	ppm	**2**	---	---	---
Molybdenum	ppm	**<1**	---	---	---
Nickel	ppm	**7**	---	---	---
Titanium	ppm	**<1**	---	---	---
Silver	ppm	**0**	---	---	---
Manganese	ppm	**3**	---	---	---
Vanadium	ppm	**<1**	---	---	---

ADDITIVES

Calcium	ppm	**3554**	---	---	---
Magnesium	ppm	**9**	---	---	---
Zinc	ppm	**1566**	---	---	---
Phosphorus	ppm	**1413**	---	---	---
Barium	ppm	**<1**	---	---	---
Boron	ppm	**112**	---	---	---

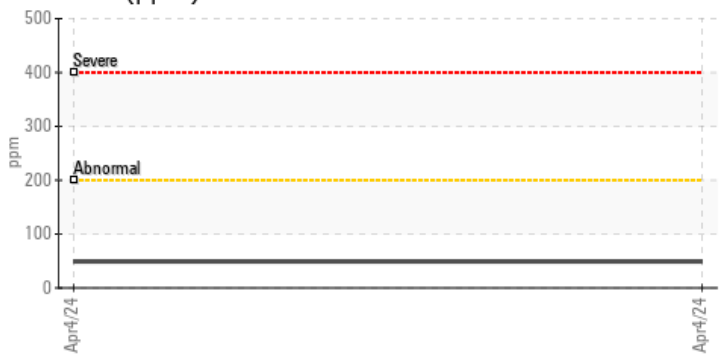
Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.The copper level is abnormal. All other 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.

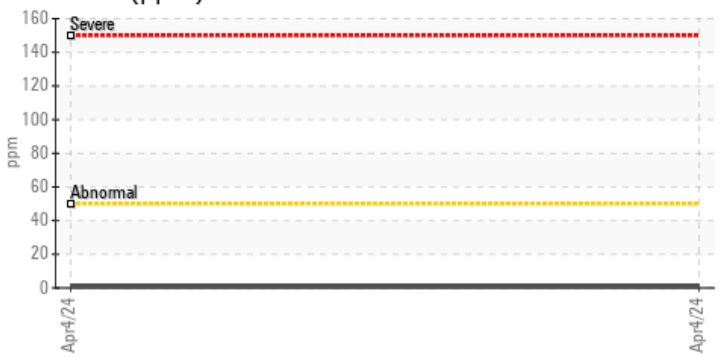
Depot: VOLVO8247
Unique No: 10968196
Signed: Jonathan Hester
Report Date: 12 Apr 2024

GRAPHS

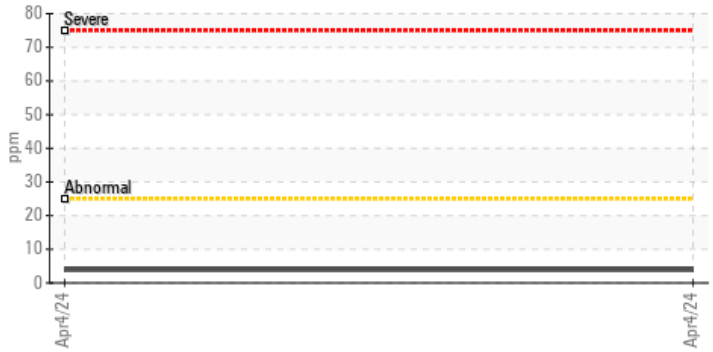
Iron (ppm)



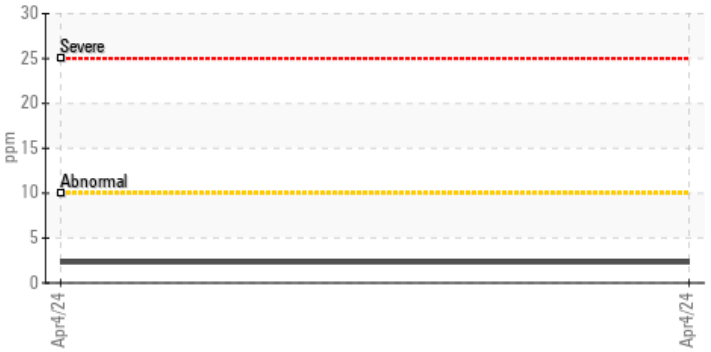
Lead (ppm)



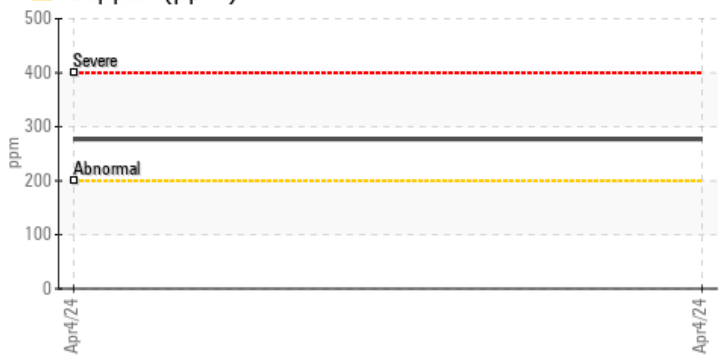
Aluminum (ppm)



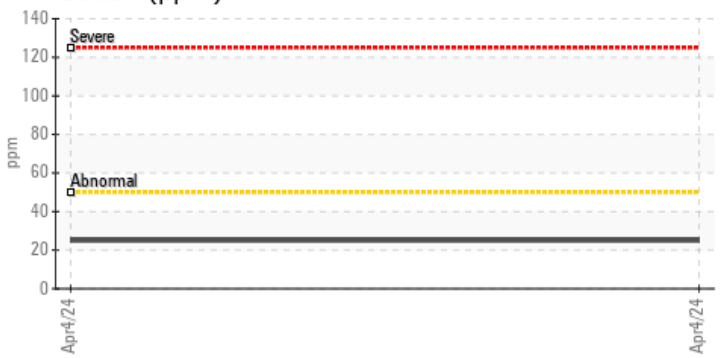
Chromium (ppm)



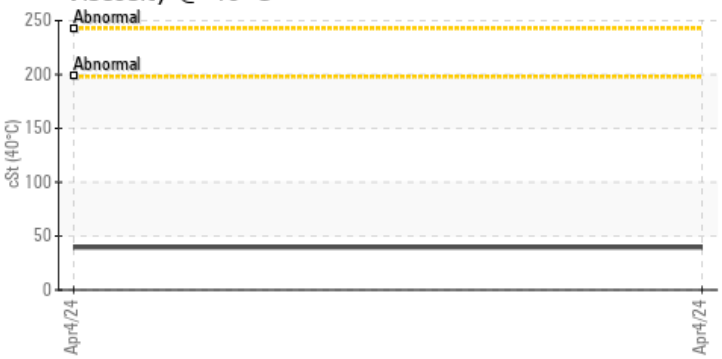
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives