



CONSTRUCTION EQUIPMENT

737904 M MARIETTA VOLVO A45G 342066 - GEARBOX



Sample No: VCP282645
Oil Type: CHEVRON 1000 THF
Job No: 737904 M MARIETTA



SAMPLE INFORMATION

Sample Number	VCP282645	---	---	---
Sample Date	10 Apr 2024	---	---	---
Machine Hours	15989	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 46.2	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	█ 58	---	---	---
Copper	ppm	▲ 233	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2959	---	---	---
Magnesium	ppm	█ 12	---	---	---
Zinc	ppm	█ 1269	---	---	---
Phosphorus	ppm	█ 1115	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 63	---	---	---

Depot: VOLVO0088
Unique No: 10994863
Signed: Jonathan Hester
Report Date: 26 Apr 2024

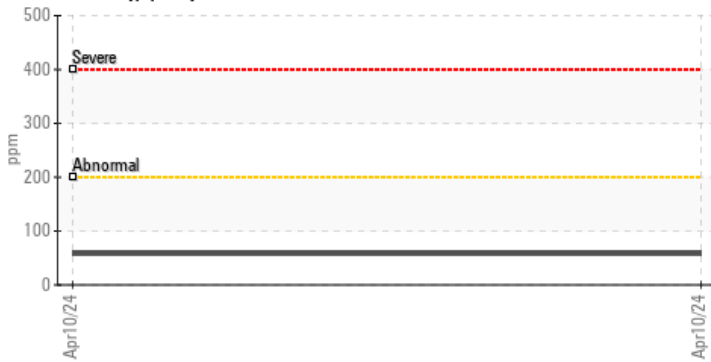


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GRAPHS

Iron (ppm)



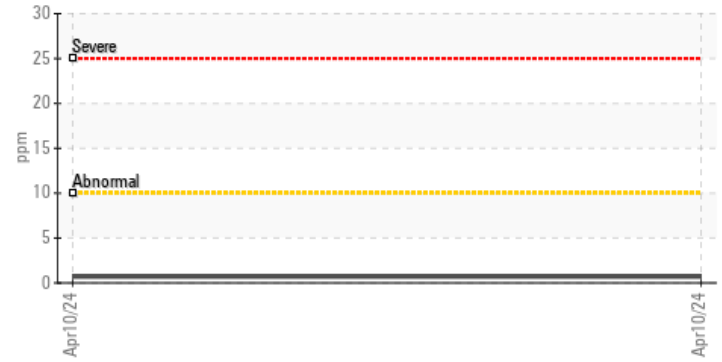
Lead (ppm)



Aluminum (ppm)



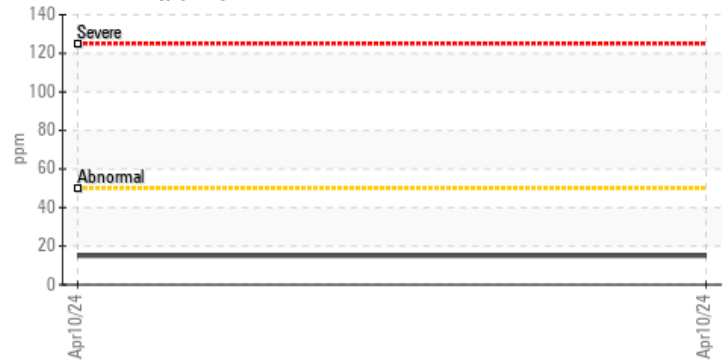
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

