



CONSTRUCTION EQUIPMENT

VILLE DE MACAMIC 380671 VOLVO G970 525145 - DIESEL ENGINE



Sample No: VCP380138
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 380671



SAMPLE INFORMATION

Sample Number	VCP380138	---	---	---
Sample Date	10 Oct 2023	---	---	---
Machine Hours	7044	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO INC

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 VAL D'OR, QC
 CA J9P 6Z2
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Oxidation (PA)	%	█ 64	---	---	---



CONTAMINATION

Water	%	█ 0.039	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 60	---	---	---
Sulfation (PA)	%	█ 55	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 4	---	---	---

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 28	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ <1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 2144	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 1123	---	---	---
Phosphorus	ppm	█ 951	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 135	---	---	---

Depot: VOLVO0229
Unique No: 5658924
Signed: Wes Davis
Report Date: 18 Oct 2023

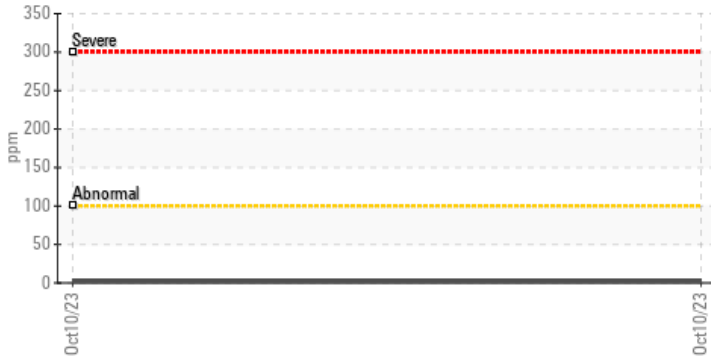


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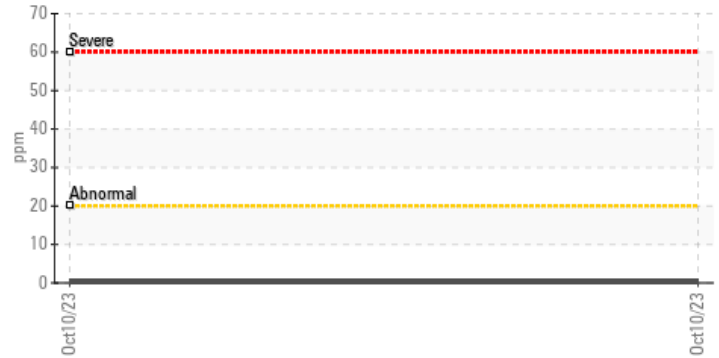


GRAPHS

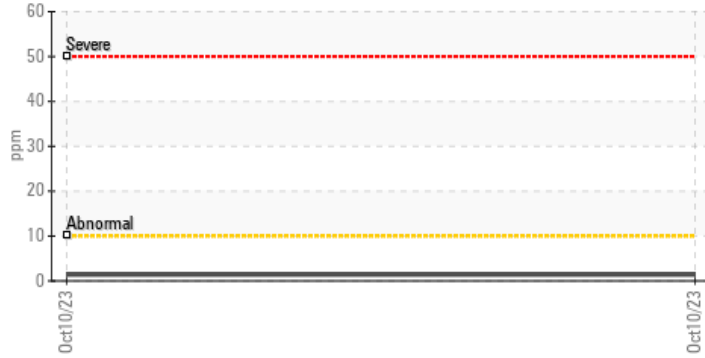
Iron (ppm)



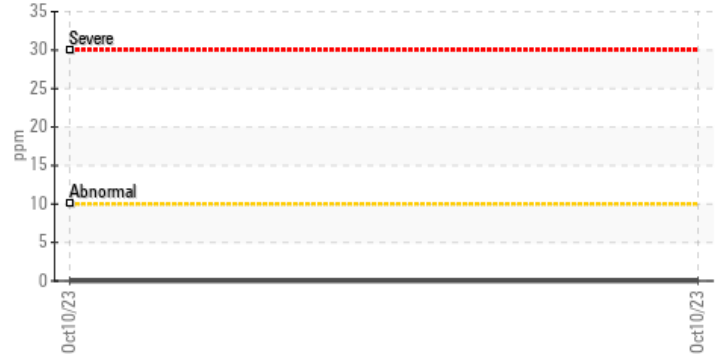
Lead (ppm)



Aluminum (ppm)



Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

