



CONSTRUCTION EQUIPMENT

TRADE IN 374084 VOLVO EC220EL 310758 - FRONT RIGHT FINAL DRIVE



Sample No: VCP380189
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 374084



SAMPLE INFORMATION

Sample Number	VCP380189	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	8202	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT

54 IBER ROAD
 OTTAWA, ON
 CA K2S 1E8
 Contact: Jason Hiles
 jhiles@strongco.com
 T:
 F: (613)836-2614



OIL CONDITION

Visc @ 40°C	cSt	█ 142	---	---	---
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CONTAMINATION

Water	%	▲ 0.847	---	---	---
Silicon	ppm	█ 936	---	---	---
Sodium	ppm	█ 53	---	---	---
Potassium	ppm	█ 57	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of water present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	█ 1047	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 209	---	---	---
Chromium	ppm	█ 7	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ 15	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 8	---	---	---
Vanadium	ppm	█ <1	---	---	---



ADDITIVES

Calcium	ppm	█ 147	---	---	---
Magnesium	ppm	█ 32	---	---	---
Zinc	ppm	█ 6	---	---	---
Phosphorus	ppm	█ 285	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 4	---	---	---

Depot: SHESTI
Unique No: 5620233
Signed: Kevin Marson
Report Date: 11 Aug 2023

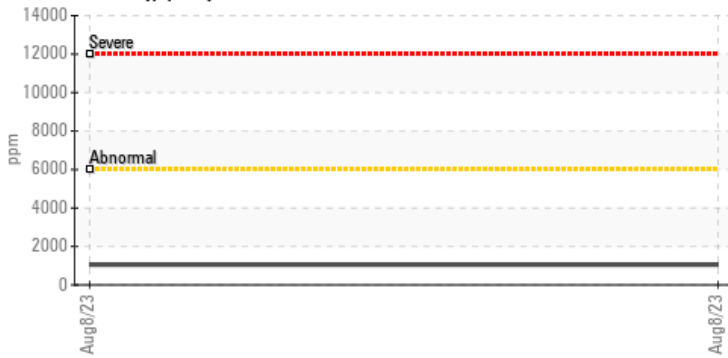


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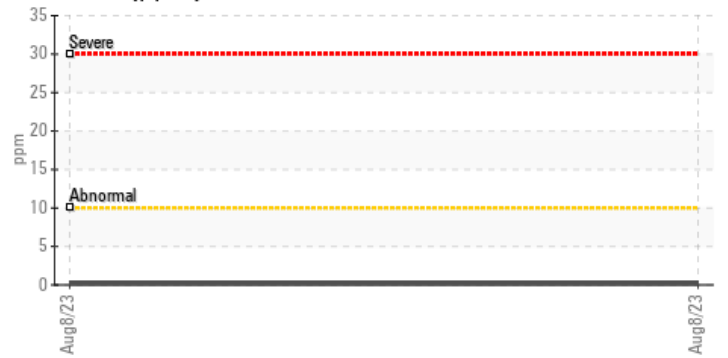


GRAPHS

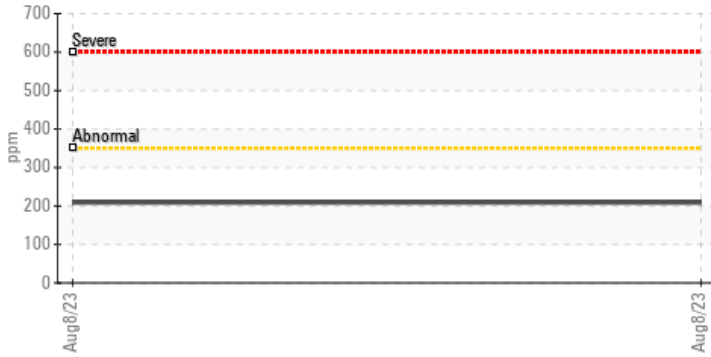
Iron (ppm)



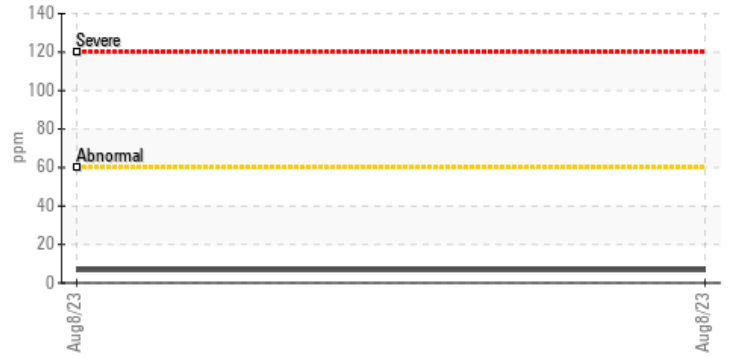
Lead (ppm)



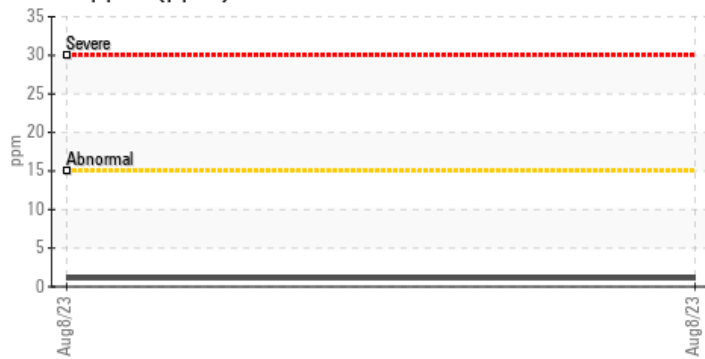
Aluminum (ppm)



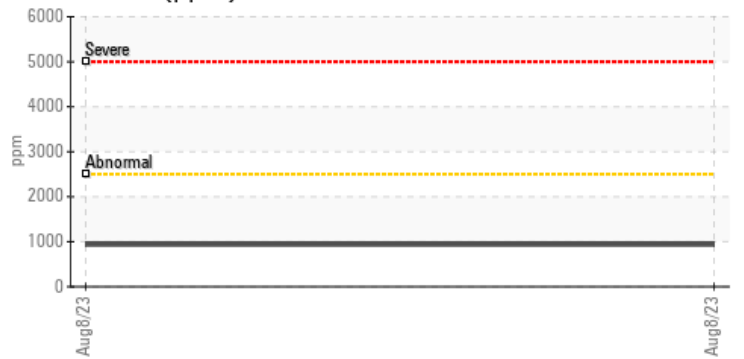
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Water

