



CONSTRUCTION EQUIPMENT

W02003743 VOLVO EC380 311723 - DIESEL ENGINE



Sample No: VCP290040

Oil Type: MOBIL 15W40

Job No: W02003743



SAMPLE INFORMATION

Sample Number	VCP290040	---	---	---
Sample Date	16 Nov 2020	---	---	---
Machine Hours	1323	---	---	---
Oil Hours	250	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS
 8450 QUARRY ROAD
 MANASSAS, VA
 US 20110
 Contact: MIKE MAYHUGH
 MMAYHUGH@MCCLUNG-LOGAN.COM
 T: (703)393-7344
 F: (703)393-7844



OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Oxidation (PA)	%	█ 73	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 67	---	---	---
Sulfation (PA)	%	█ 61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 7	---	---	---

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.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 2451	---	---	---
Magnesium	ppm	█ 22	---	---	---
Zinc	ppm	█ 1252	---	---	---
Phosphorus	ppm	█ 1065	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 185	---	---	---

Depot: VOLVO0002
 Unique No: 9259096
 Signed: Wes Davis
 Report Date: 20 Nov 2020

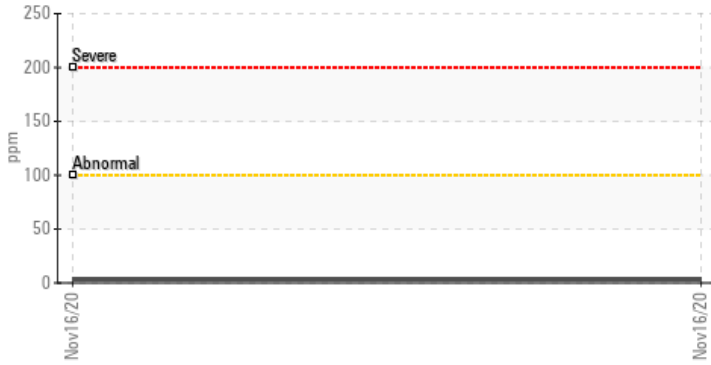


CONSTRUCTION EQUIPMENT

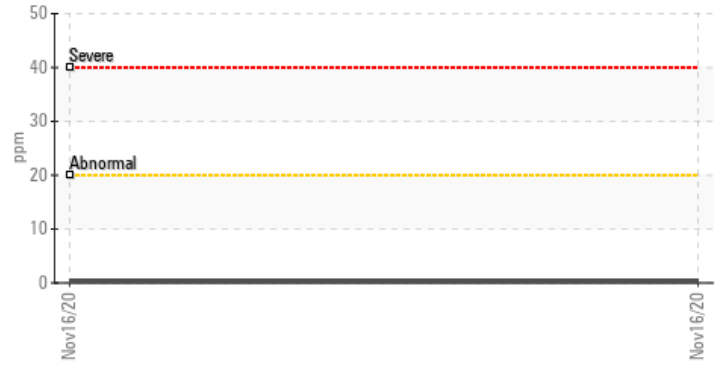


GRAPHS

Iron (ppm)



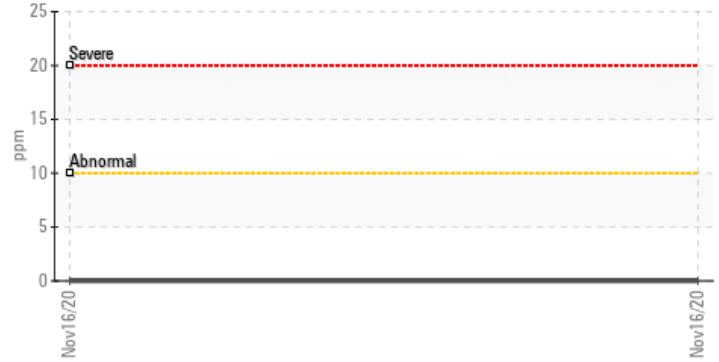
Lead (ppm)



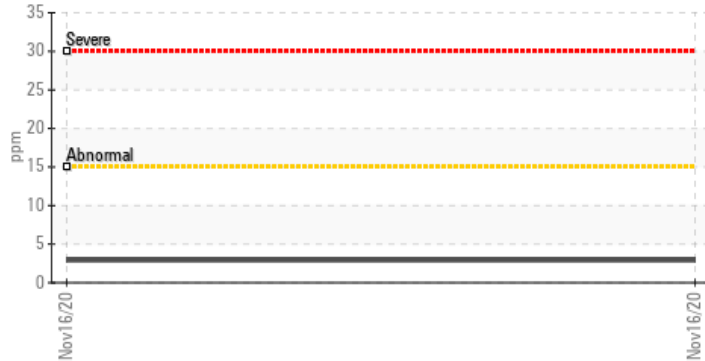
Aluminum (ppm)



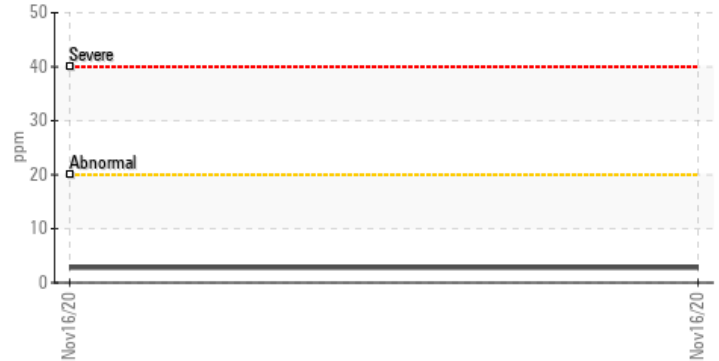
Chromium (ppm)



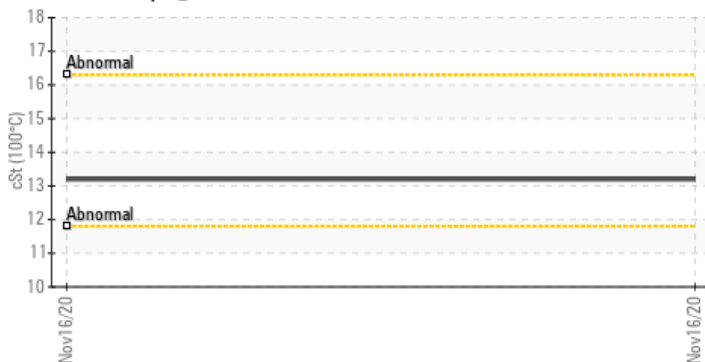
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

