



CONSTRUCTION EQUIPMENT

VOLVO ECJ60E 311557 - DIESEL ENGINE



Sample No: VCP275304
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP275304	---	---	---
Sample Date	01 Nov 2020	---	---	---
Machine Hours	2000	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

Strongco Equipment
 5179 Fountain St N.
 Breslau, ON
 CA N0B 1M0
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 T: (519)744-3518
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Oxidation (PA)	%	█ 102	---	---	---



CONTAMINATION

Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	█ 90	---	---	---
Sulfation (PA)	%	█ 69	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ <1	---	---	---

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	█ 24	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 44	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 1809	---	---	---
Magnesium	ppm	█ 552	---	---	---
Zinc	ppm	█ 994	---	---	---
Phosphorus	ppm	█ 786	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 28	---	---	---

Depot: CASKIT
Unique No: 5146790
Signed: Kevin Marson
Report Date: 07 Dec 2020



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GRAPHS

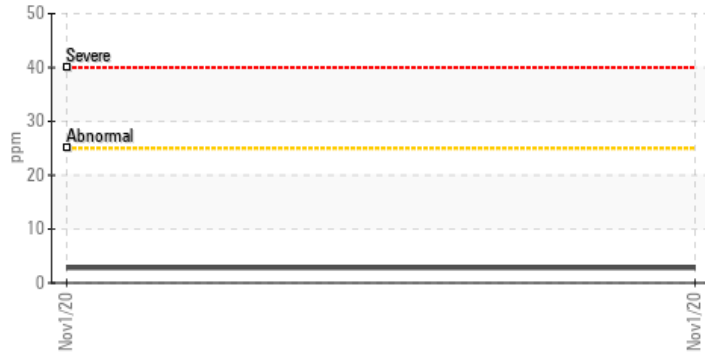
Iron (ppm)



Lead (ppm)



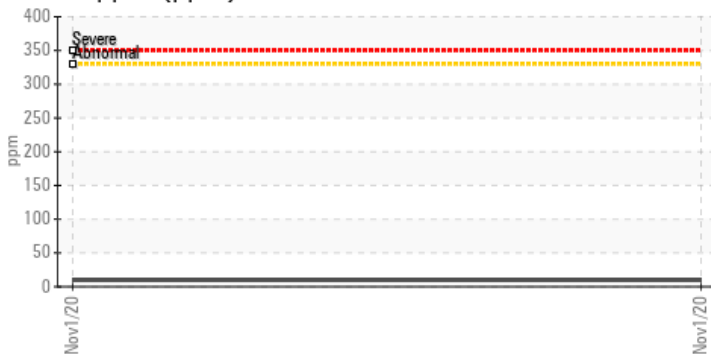
Aluminum (ppm)



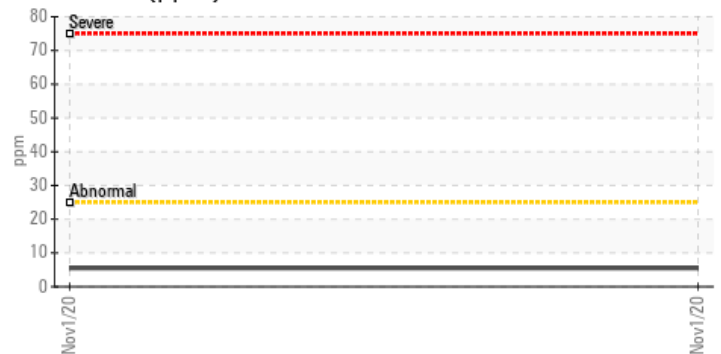
Chromium (ppm)



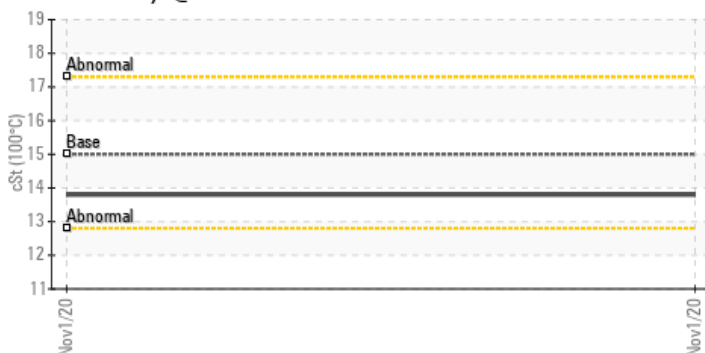
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

