



CONSTRUCTION EQUIPMENT

42375 VOLVO EC200EL 315068 - SWING DRIVE



Sample No: VCP447505
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 42375



SAMPLE INFORMATION

Sample Number	VCP447505	---	---	---
Sample Date	14 Jun 2024	---	---	---
Machine Hours	946	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033
 Contact: ROBBY HERLONG
 robby.herlong@ascendummachinery.com
 T: (803)394-6783
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OIL CONDITION

Visc @ 40°C	cSt	█ 153	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 10	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 120	---	---	---
Copper	ppm	█ 8	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 45	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 43	---	---	---
Phosphorus	ppm	1461	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 133	---	---	---

Depot: VOLVO0013
Unique No: 11086719
Signed: Don Baldrige
Report Date: 20 Jun 2024

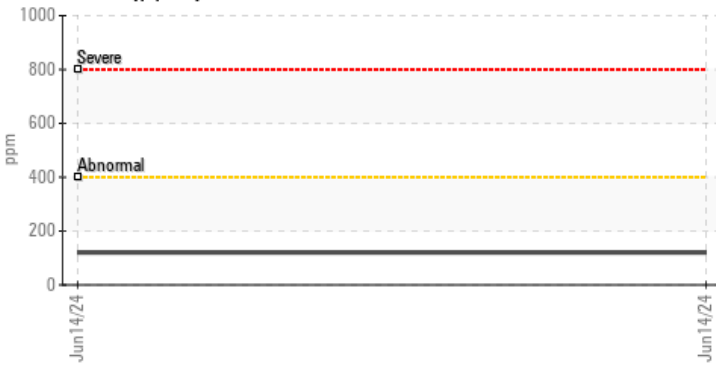


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GRAPHS

Iron (ppm)



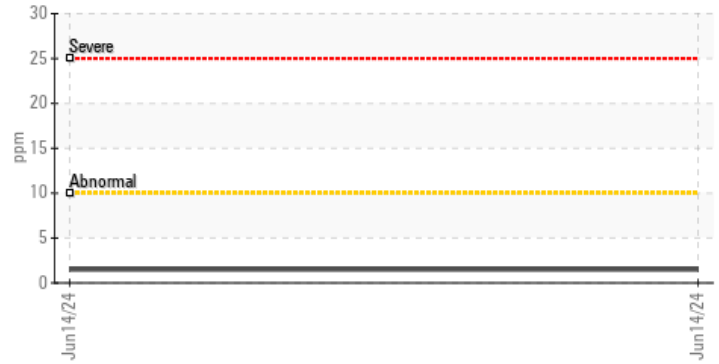
Lead (ppm)



Aluminum (ppm)



Chromium (ppm)



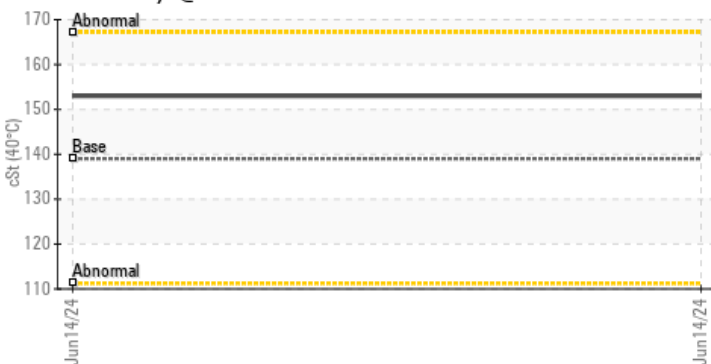
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

