



CONSTRUCTION EQUIPMENT

404339 VOLVO G946C 585020 - DIESEL ENGINE



Sample No: VCP450453
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 404339



SAMPLE INFORMATION

Sample Number	VCP450453	---	---	---
Sample Date	09 May 2024	---	---	---
Machine Hours	8643	---	---	---
Oil Hours	150	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT

54 IBER ROAD
 OTTAWA, ON
 CA K2S 1E8
 Contact: Daniel Simard
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 F: (613)836-2614



OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Oxidation (PA)	%	█ 57	---	---	---



CONTAMINATION

Water	%	█ NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 73	---	---	---
Sulfation (PA)	%	█ 55	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 5	---	---	---

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	█ 12	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 8	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 24	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 18	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---



ADDITIVES

Calcium	ppm	█ 2093	---	---	---
Magnesium	ppm	█ 188	---	---	---
Zinc	ppm	█ 1110	---	---	---
Phosphorus	ppm	█ 936	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 36	---	---	---

Depot: SHESTI
Unique No: 5776386
Signed: Kevin Marson
Report Date: 14 May 2024

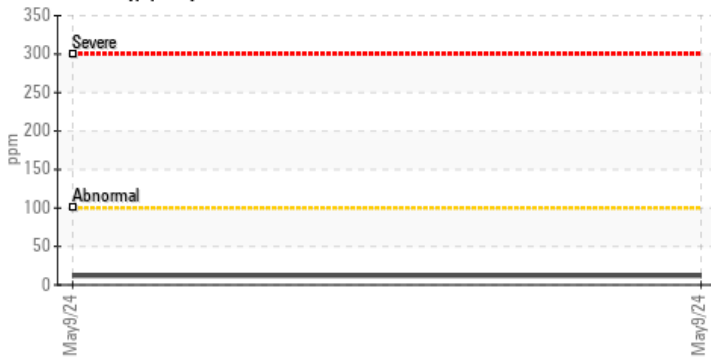


CONSTRUCTION EQUIPMENT

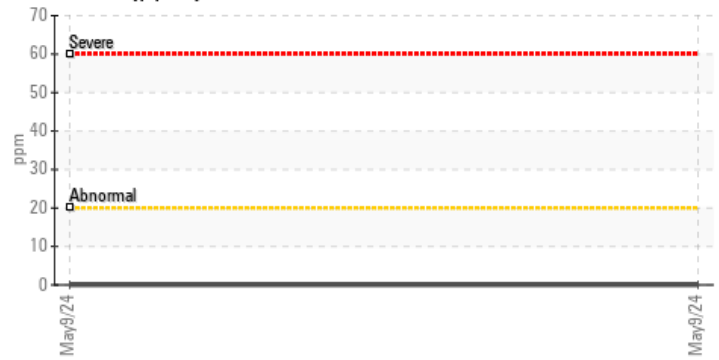


GRAPHS

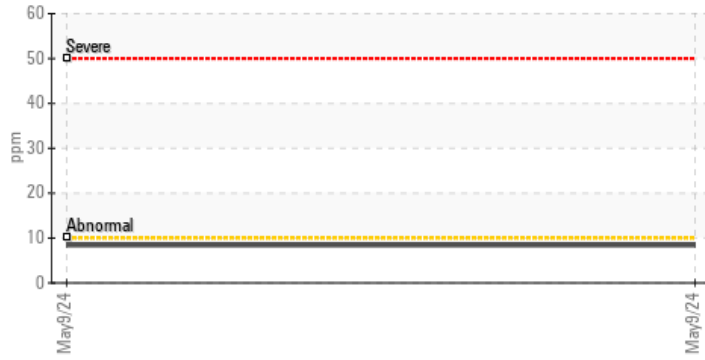
Iron (ppm)



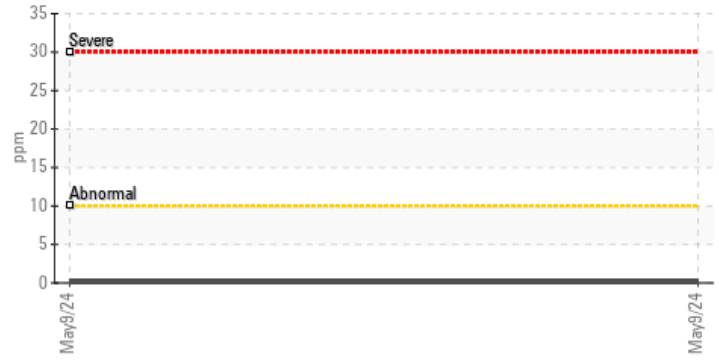
Lead (ppm)



Aluminum (ppm)



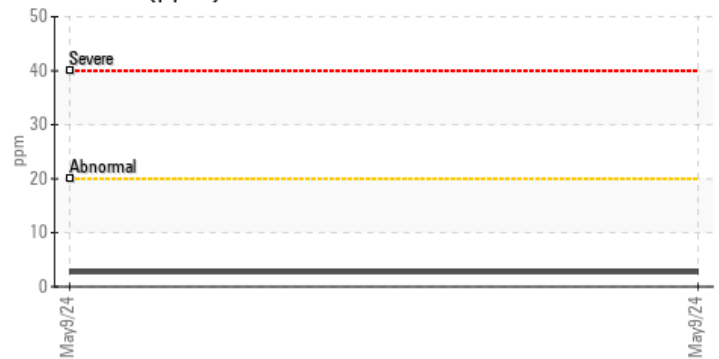
Chromium (ppm)



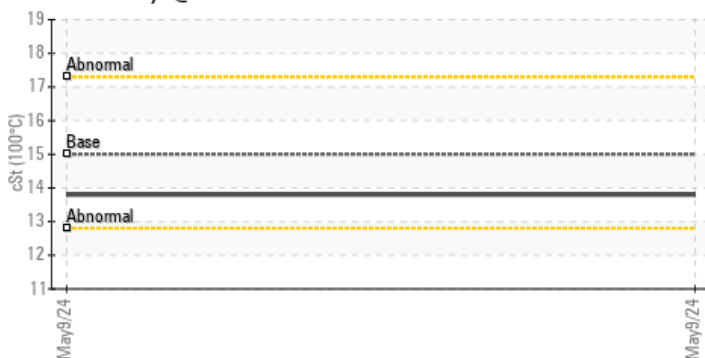
Copper (ppm)



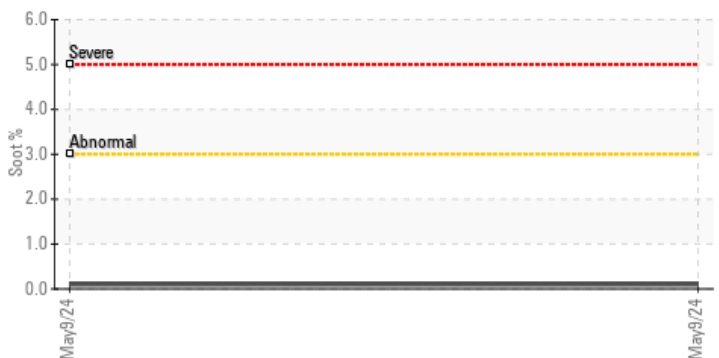
Silicon (ppm)



Viscosity @ 100°C



Soot %





CONSTRUCTION EQUIPMENT

707539-01 VOLVO G946C 585020 - TRANSMISSION (AUTO)



Sample No: VCE245302
Oil Type: VOLVO AT 102
Job No: 707539-01



SAMPLE INFORMATION

Sample Number	VCE245302	---	---	---
Sample Date	08 Jan 2015	---	---	---
Machine Hours	22	---	---	---
Oil Hours	22	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

STRONGCO EQUIPMENT

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OIL CONDITION

Visc @ 40°C	cSt	█ 30.2	---	---	---
-------------	-----	--------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis

Resample at the next service interval to monitor. The wear metal levels do not reflect the reported failure. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 211	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 72	---	---	---
Phosphorus	ppm	█ 221	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 71	---	---	---

Depot: SHESTI
Unique No: 4053298
Signed: Kevin Marson
Report Date: 19 Jan 2015



CONSTRUCTION EQUIPMENT



GRAPHS

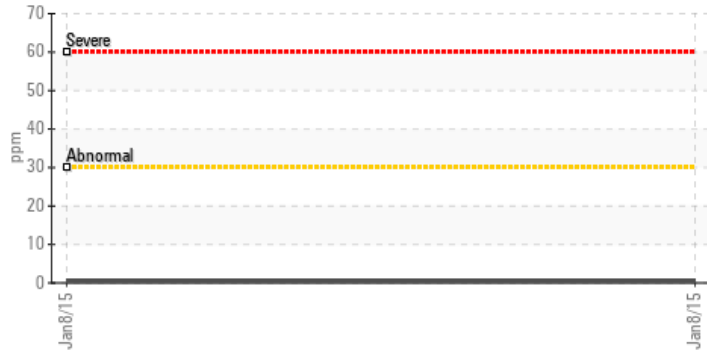
Iron (ppm)



Lead (ppm)



Aluminum (ppm)



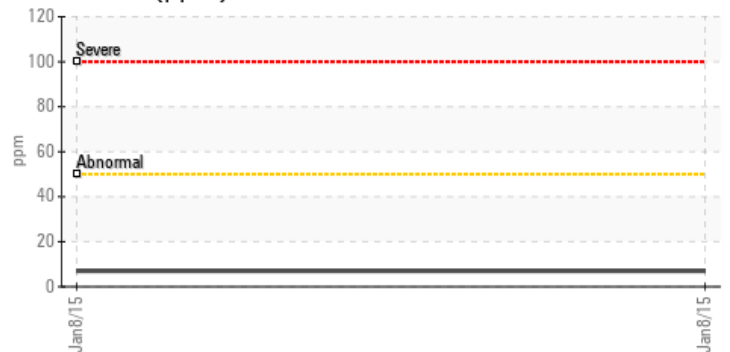
Chromium (ppm)



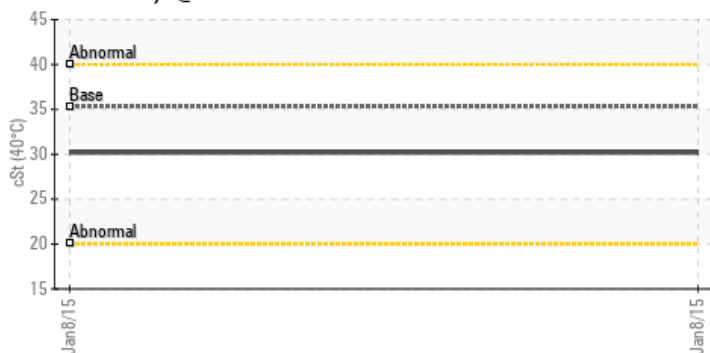
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

