



CONSTRUCTION EQUIPMENT

X47832 VOLVO A25G 752432 - DIESEL ENGINE



Sample No: VCP432536
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: X47832



SAMPLE INFORMATION

Sample Number	VCP432536	---	---	---
Sample Date	16 Oct 2023	---	---	---
Machine Hours	2111	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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 LAKE CHARLES, LA
 US 70616
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 tledoux@scottcompanies.com
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 6.4	---	---	---
Oxidation (PA)	%	87	---	---	---



CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	85	---	---	---
Sulfation (PA)	%	64	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 27	---	---	---
Copper	ppm	▲ 38	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ 5	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 1836	---	---	---
Magnesium	ppm	█ 461	---	---	---
Zinc	ppm	█ 1169	---	---	---
Phosphorus	ppm	█ 854	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 13	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO6244
Unique No: 10702592
Signed: Don Baldrige
Report Date: 24 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

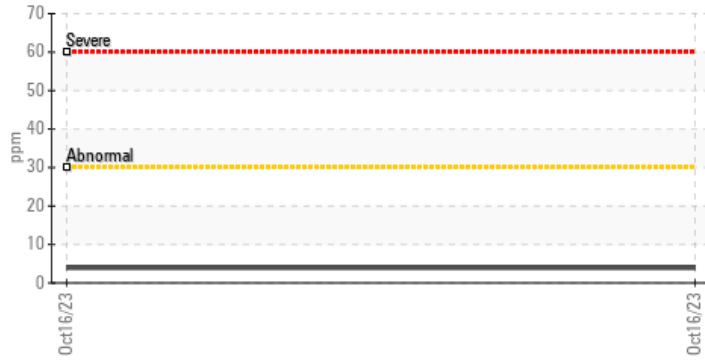
Iron (ppm)



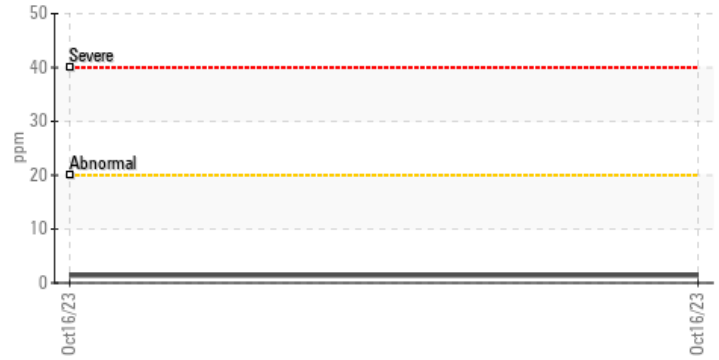
Lead (ppm)



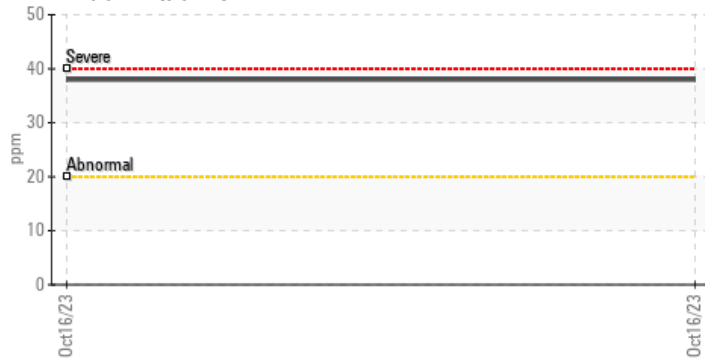
Aluminum (ppm)



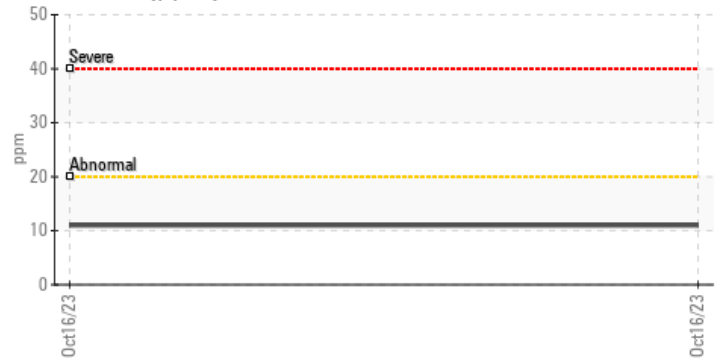
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

