



CONSTRUCTION EQUIPMENT

NORTH TX CONTRACTING VOLVO SD45B 230569 - DIESEL ENGINE



Sample No: VCP412724
Oil Type: NOT GIVEN
Job No: NORTH TX CONTRACTING



SAMPLE INFORMATION

Sample Number	VCP412724	---	---	---
Sample Date	25 Oct 2023	---	---	---
Machine Hours	65	---	---	---
Oil Hours	65	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 10.2	---	---	---
Oxidation (PA)	%	73	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The wear metal levels do not reflect the reported failure. Fuel content negligible. 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 suitable for further service.



CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.5	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1789	---	---	---
Magnesium	ppm	█ 492	---	---	---
Zinc	ppm	█ 1131	---	---	---
Phosphorus	ppm	█ 932	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 56	---	---	---

Depot: VOLVO0081
Unique No: 10722518
Signed: Jonathan Hester
Report Date: 03 Nov 2023



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GRAPHS

Iron (ppm)



Lead (ppm)



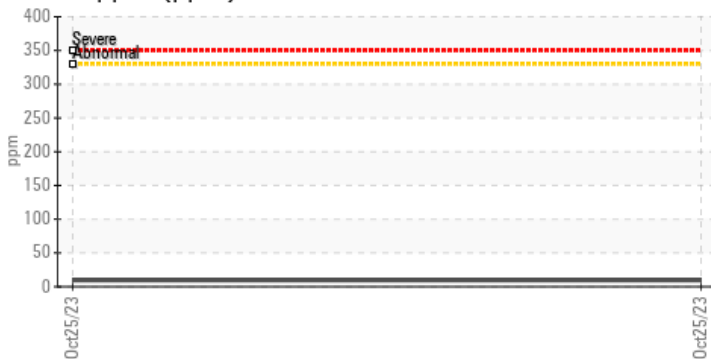
Aluminum (ppm)



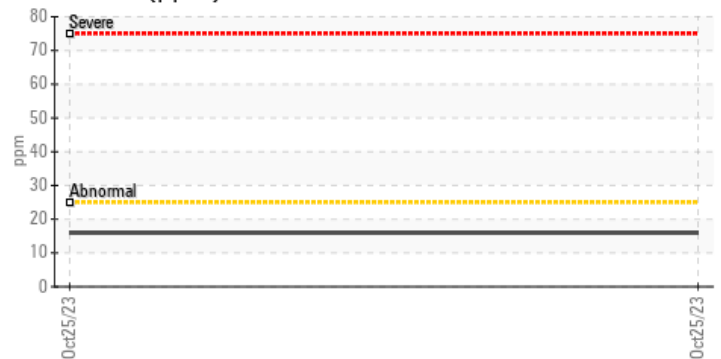
Chromium (ppm)



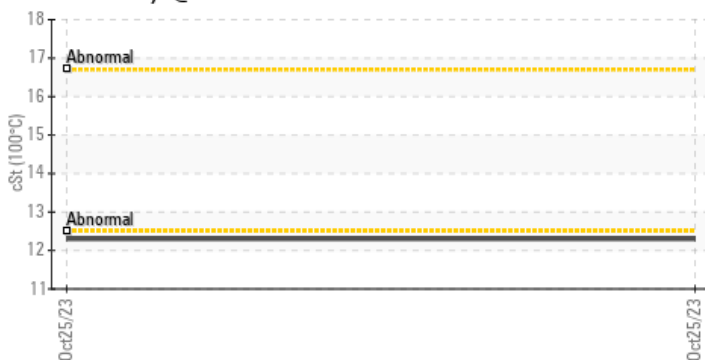
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Base Number

