



CONSTRUCTION EQUIPMENT

W-5796-2 VOLVO A30G 742421 - WET DISC BRAKE



Sample No: VCP417337

Oil Type: NOT GIVEN

Job No: W-5796-2



SAMPLE INFORMATION

Sample Number	VCP417337	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	5047	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



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 2025 COOK DRIVE
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 US 24153
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 scarr@mcclung-logan.com
 T: (540)418-5218
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 43.5	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 21	---	---	---
Sodium	ppm	█ 8	---	---	---
Potassium	ppm	█ 1	---	---	---



WEAR METALS

Iron	ppm	▲ 29	---	---	---
Copper	ppm	▲ 159	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	2970	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	1239	---	---	---
Phosphorus	ppm	1122	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	96	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. The copper level is abnormal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VOLVO9010
Unique No: 10776622
Signed: Jonathan Hester
Report Date: 08 Dec 2023

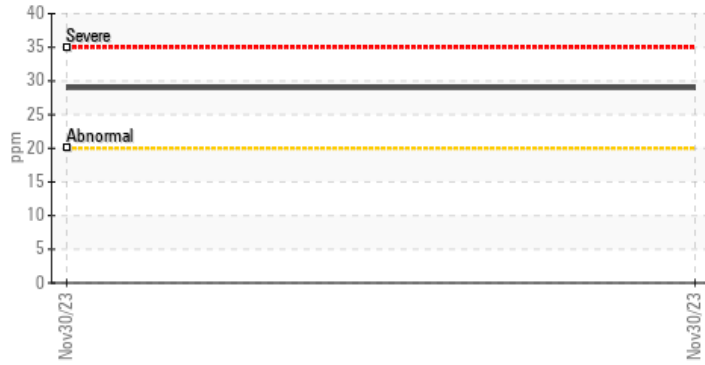


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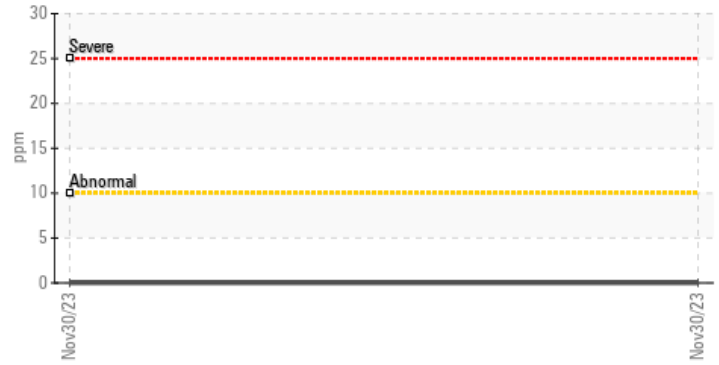


GRAPHS

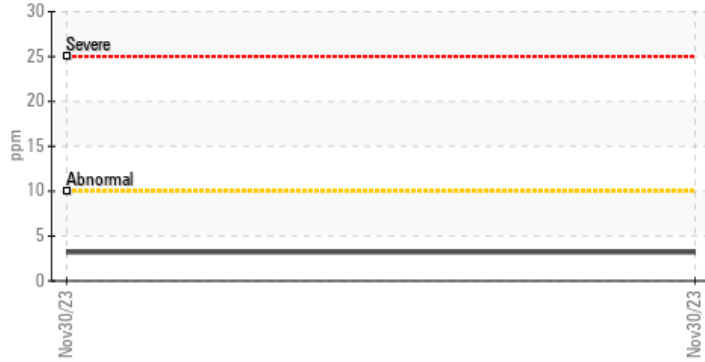
▲ Iron (ppm)



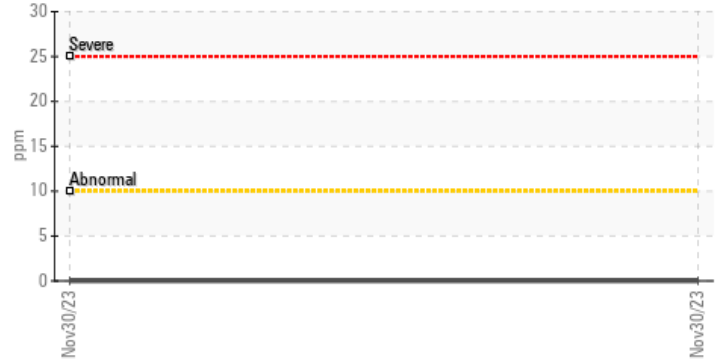
Lead (ppm)



Aluminum (ppm)



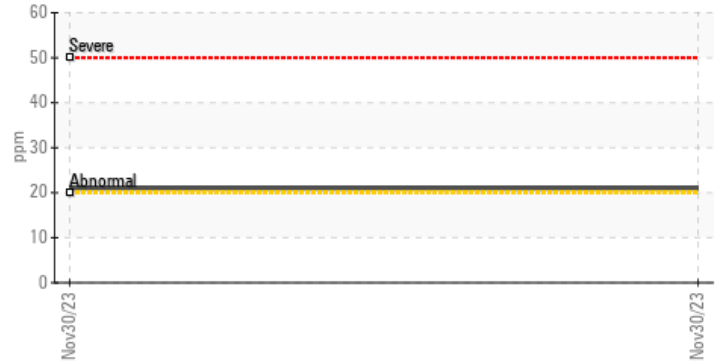
Chromium (ppm)



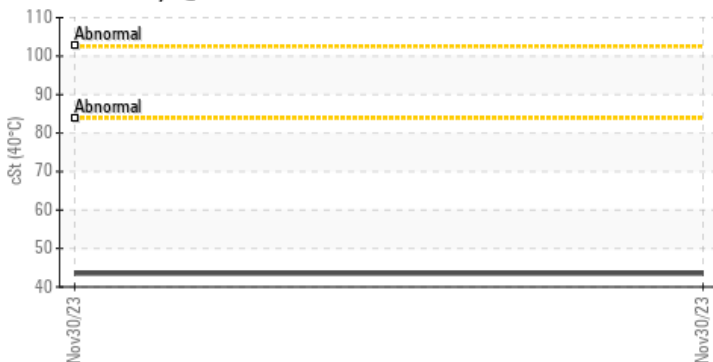
▲ Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

