



CONSTRUCTION EQUIPMENT

SPM568105 VOLVO A40G 352677 - WET DISC BRAKE



Sample No: VCP407138
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: SPM568105



SAMPLE INFORMATION

Sample Number	VCP407138	VCP397209	---	---
Sample Date	03 Jul 2023	26 Oct 2022	---	---
Machine Hours	2820	2300	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
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T: (312)350-2560
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 40.4	40.9	---	---
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CONTAMINATION

Silicon	ppm	▲ 30	█ 2	---	---
Sodium	ppm	█ 10	█ 0	---	---
Potassium	ppm	█ <1	█ 3	---	---



WEAR METALS

Iron	ppm	▲ 137	█ 4	---	---
Copper	ppm	█ 77	█ 0	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	▲ 6	█ <1	---	---
Chromium	ppm	█ 2	█ <1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 6	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ <1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	█ 3322	█ 3090	---	---
Magnesium	ppm	█ 12	█ 11	---	---
Zinc	ppm	█ 1457	█ 1318	---	---
Phosphorus	ppm	█ 1336	█ 1170	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 118	6	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. The iron level is abnormal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8885
Unique No: 10560815
Signed: Don Baldrige
Report Date: 18 Jul 2023

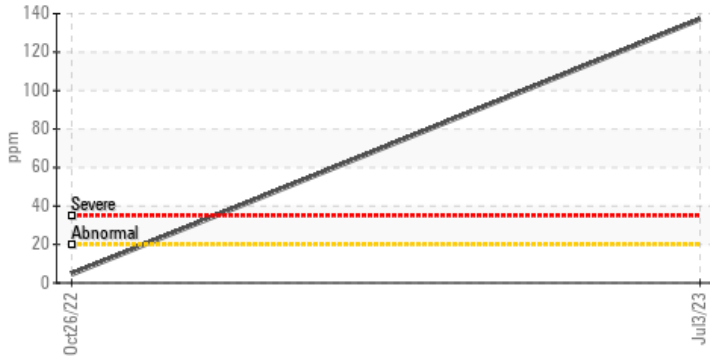


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GRAPHS

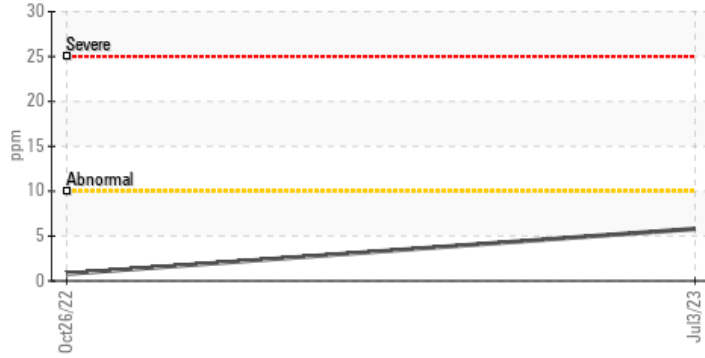
▲ Iron (ppm)



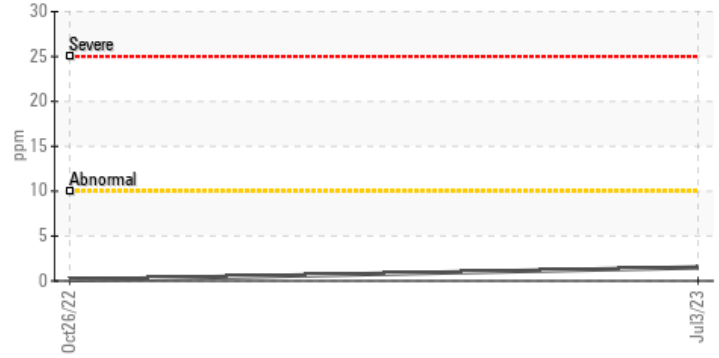
Lead (ppm)



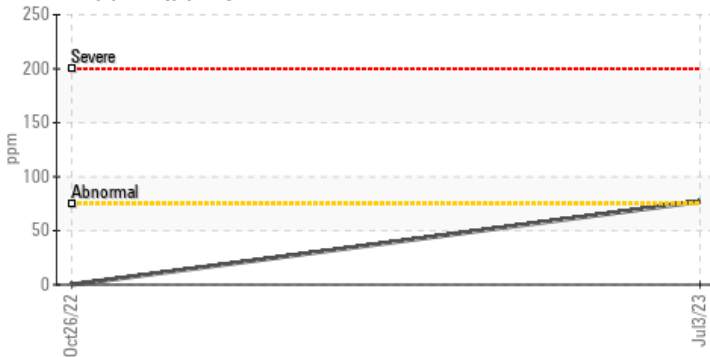
▲ Aluminum (ppm)



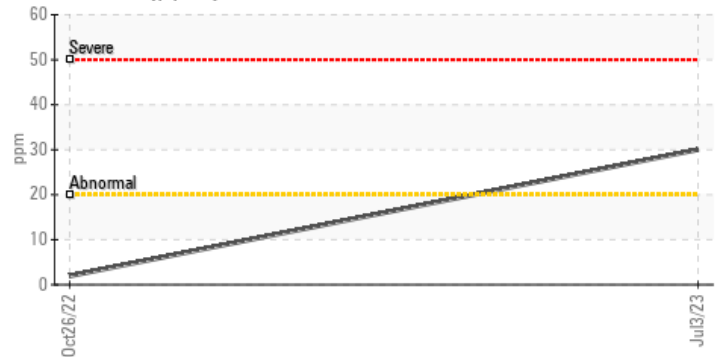
Chromium (ppm)



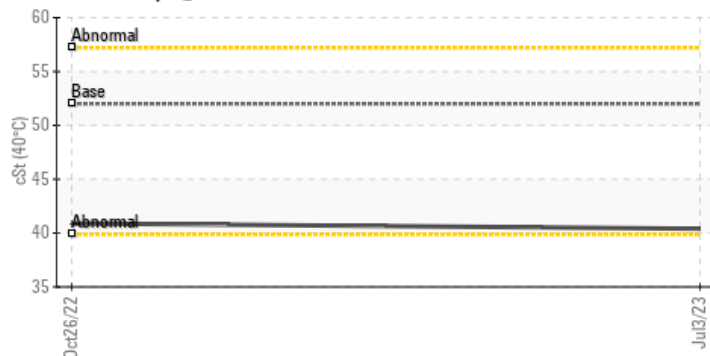
Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

