



CONSTRUCTION EQUIPMENT

593679 VOLVO A30G 742129 - BRAKE COOLING SYSTEM



Sample No: VCP425140
Oil Type: VOLVO WB 102
Job No: 593679



SAMPLE INFORMATION

Sample Number	VCP425140	VCP360661	---	---
Sample Date	12 Aug 2023	11 Apr 2022	---	---
Machine Hours	9111	7176	---	---
Oil Hours	1000	3000	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	█ 43.0	---	---
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CONTAMINATION

Silicon	ppm	█ 11	█ 9	---	---
Sodium	ppm	█ 2	█ 6	---	---
Potassium	ppm	█ 1	█ 0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 4	█ 11	---	---
Copper	ppm	█ 50	▲ 204	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 3635	█ 3204	---	---
Magnesium	ppm	█ 11	█ 10	---	---
Zinc	ppm	█ 1505	█ 1311	---	---
Phosphorus	ppm	█ 1226	█ 1154	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 95	█ 125	---	---

Depot: RIPTAM
Unique No: 10642014
Signed: Don Baldrige
Report Date: 12 Sep 2023



CONSTRUCTION EQUIPMENT

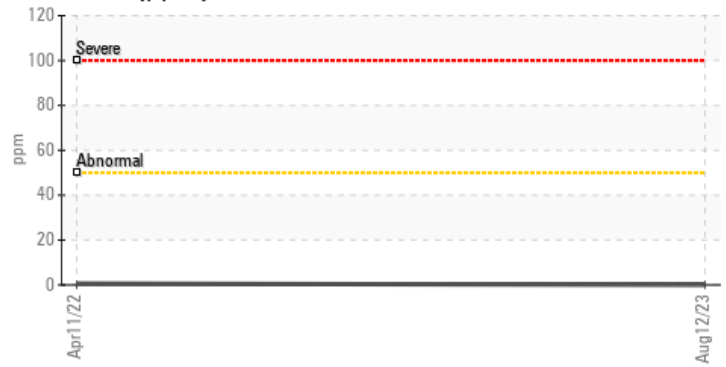


GRAPHS

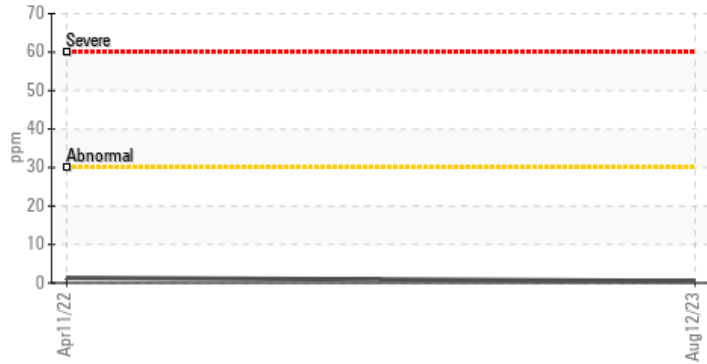
Iron (ppm)



Lead (ppm)



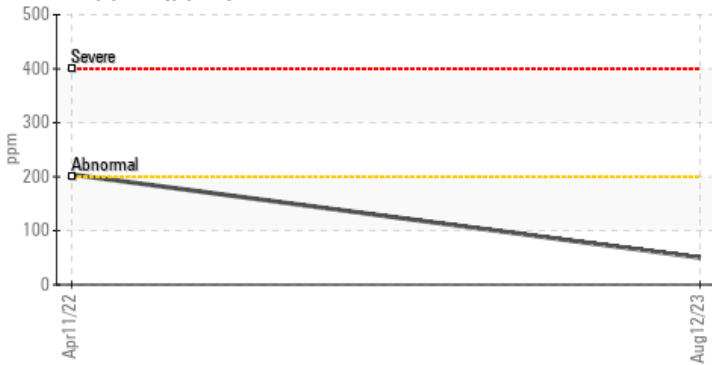
Aluminum (ppm)



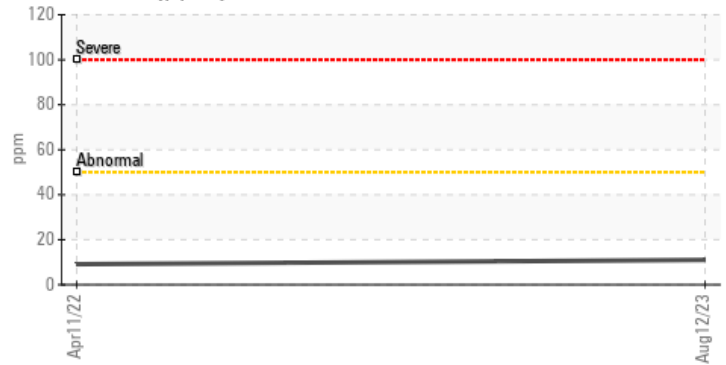
Chromium (ppm)



Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

