



CONSTRUCTION EQUIPMENT

4143HS MACMOL VOLVO A40D 12682 - BRAKE COOLING SYSTEM



Sample No: VCP421981
Oil Type: NOT GIVEN
Job No: 4143HS MACMOL



SAMPLE INFORMATION

Sample Number	VCP421981	VC309247	---	---
Sample Date	11 Aug 2023	18 Sep 2008	---	---
Machine Hours	14321	3034	---	---
Oil Hours	0	624	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

HIGHWAY EQUIPMENT & SUPPLY CO MAIN
 PO BOX 1957
 HARRISBURG, PA
 US 17105
 Contact: CHAD HERRON



OIL CONDITION

Visc @ 40°C	cSt	46.1	56.82	---	---
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T: 7(175)643-3031
 F: (717)564-3568



CONTAMINATION

Silicon	ppm	9	23	---	---
Sodium	ppm	0	5	---	---
Potassium	ppm	<1	0	---	---

Diagnosis

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. 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	13	28	---	---
Copper	ppm	19	47	---	---
Lead	ppm	0	1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	3076	3023	---	---
Magnesium	ppm	30	23	---	---
Zinc	ppm	1416	1282	---	---
Phosphorus	ppm	1133	976	---	---
Barium	ppm	0	2	---	---
Boron	ppm	48	91	---	---

Depot: VOLVO0025
Unique No: 10615321
Signed: Sean Felton
Report Date: 23 Aug 2023

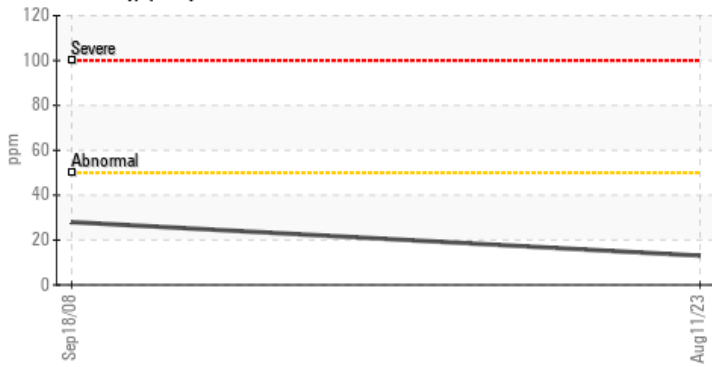


CONSTRUCTION EQUIPMENT

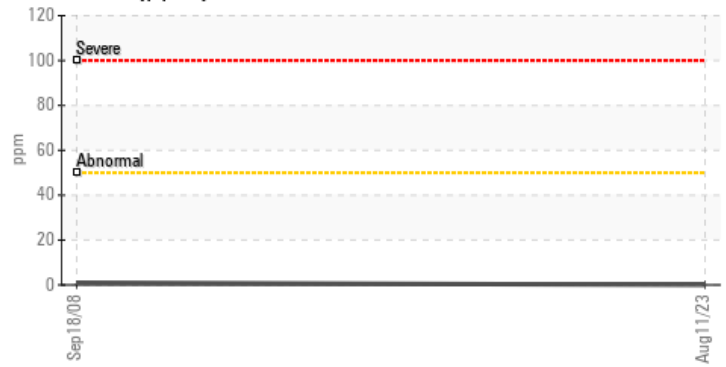


GRAPHS

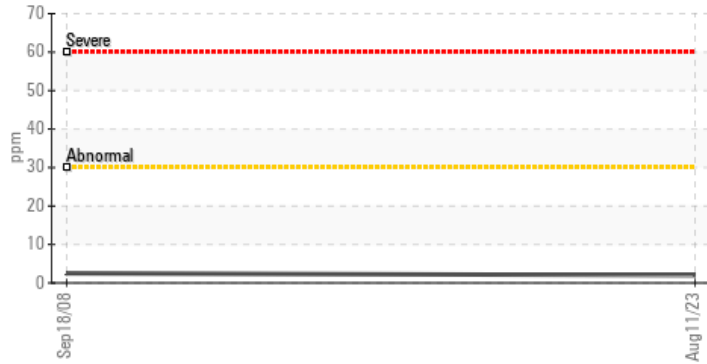
Iron (ppm)



Lead (ppm)



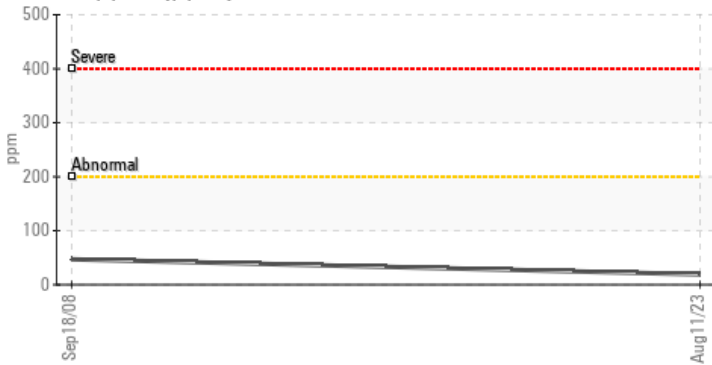
Aluminum (ppm)



Chromium (ppm)



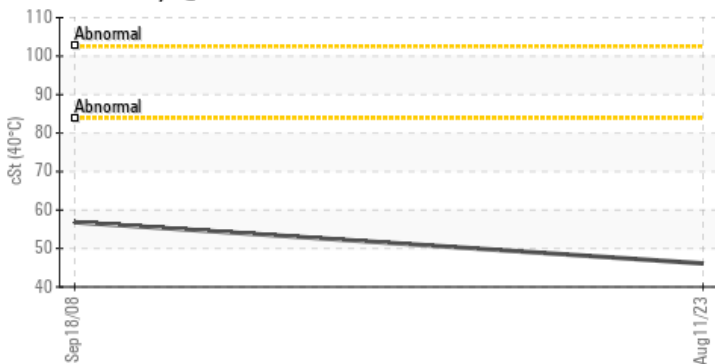
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

