



CONSTRUCTION EQUIPMENT

645826 ATLAS ORGANIC VOLVO A25G 740339 - BRAKE COOLING SYSTEM



Sample No: VCP440107
Oil Type: VOLVO WB 102
Job No: 645826 ATLAS ORGANIC



SAMPLE INFORMATION

Sample Number	VCP440107	VCP415539	---	---
Sample Date	06 Dec 2023	30 Jun 2023	---	---
Machine Hours	10637	10070	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	44.5	43.9	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	14	17	---	---
Sodium	ppm	6	3	---	---
Potassium	ppm	0	2	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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	15	14	---	---
Copper	ppm	325	175	---	---
Lead	ppm	5	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	2	1	---	---
Nickel	ppm	1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	3714	3768	---	---
Magnesium	ppm	3	17	---	---
Zinc	ppm	1284	1555	---	---
Phosphorus	ppm	1185	1296	---	---
Barium	ppm	0	0	---	---
Boron	ppm	148	130	---	---

Depot: VOLVO0093
Unique No: 10780747
Signed: Don Baldrige
Report Date: 14 Dec 2023

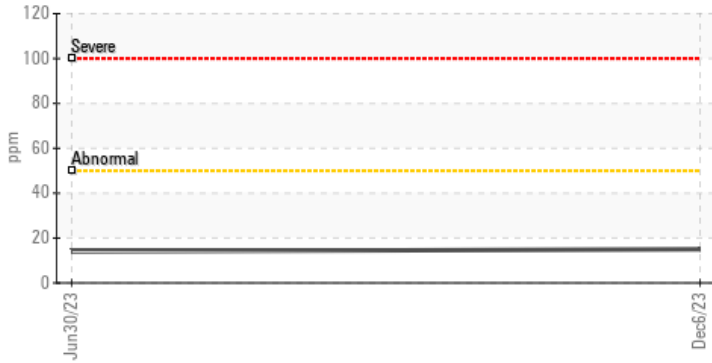


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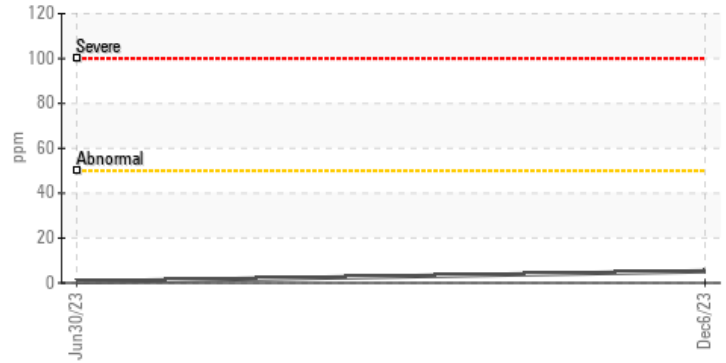


GRAPHS

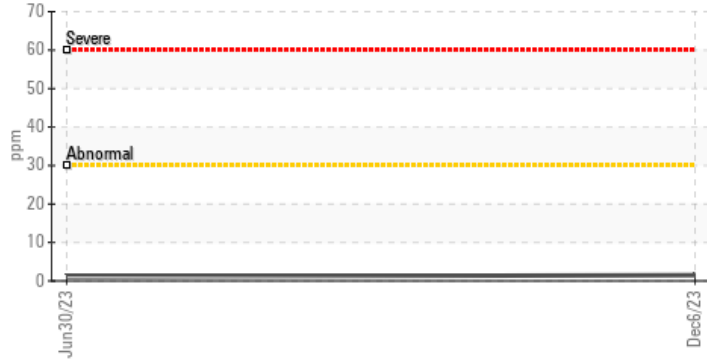
Iron (ppm)



Lead (ppm)



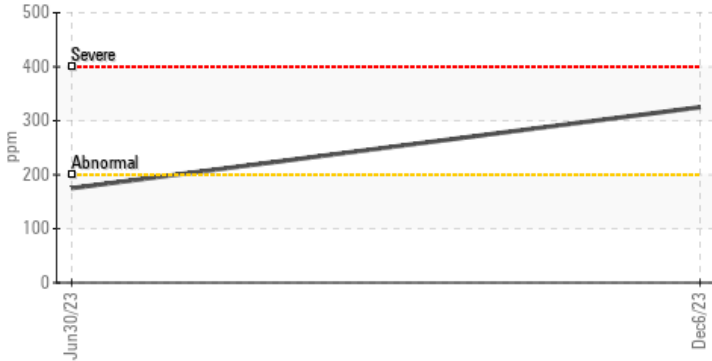
Aluminum (ppm)



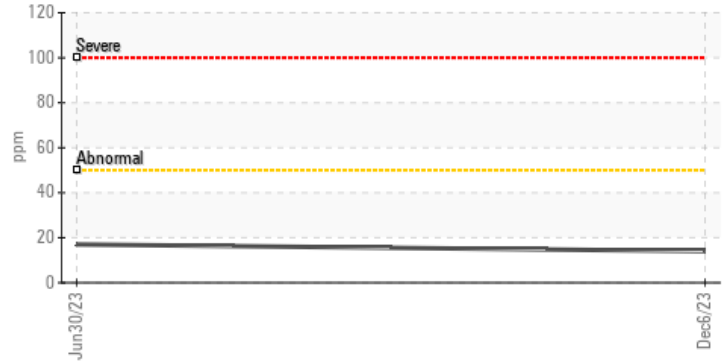
Chromium (ppm)



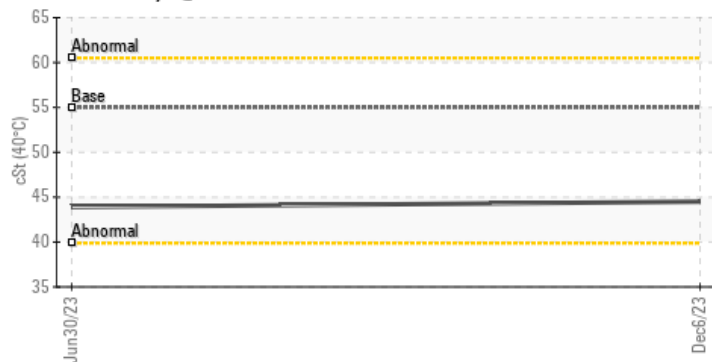
▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

