



CONSTRUCTION EQUIPMENT

5520DR KINSLEY VOLVO A40E 13563 - TRANSMISSION (AUTO)



Sample No: VCP431946
Oil Type: VOLVO AT 102
Job No: 5520DR KINSLEY



SAMPLE INFORMATION

Sample Number	VCP431946	VCP117971	---	---
Sample Date	03 May 2024	21 Jun 2013	---	---
Machine Hours	13358	2149	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

HIGHWAY EQUIPMENT & SUPPLY CO
 PO BOX 127
 DRUMS, PA
 US 18222
 Contact: JOSEPH GLOWACKI
 joe@hwyequip.com
 T: (570)788-1127
 F: (570)708-2933



OIL CONDITION

Visc @ 40°C	cSt	29.3	26.33	---	---
-------------	-----	-------------	-------	-----	-----



CONTAMINATION

Water	%	NEG	▲ 0.103	---	---
Silicon	ppm	4	11	---	---
Sodium	ppm	2	7	---	---
Potassium	ppm	5	<1	---	---

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	29	62	---	---
Copper	ppm	162	473	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	9	24	---	---
Aluminum	ppm	6	22	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	119	313	---	---
Magnesium	ppm	11	34	---	---
Zinc	ppm	42	139	---	---
Phosphorus	ppm	186	464	---	---
Barium	ppm	0	0	---	---
Boron	ppm	72	84	---	---

Depot: VOLVO0022
Unique No: 11020488
Signed: Wes Davis
Report Date: 10 May 2024

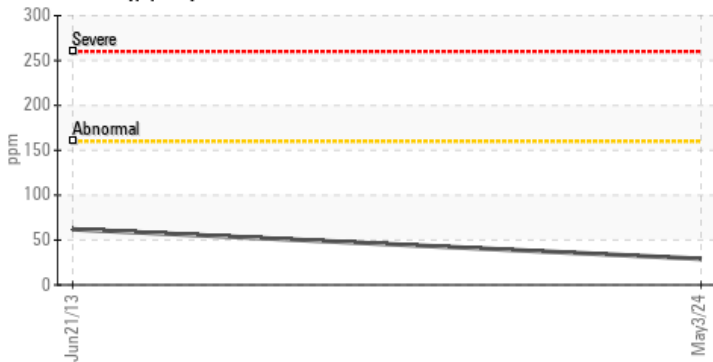


CONSTRUCTION EQUIPMENT

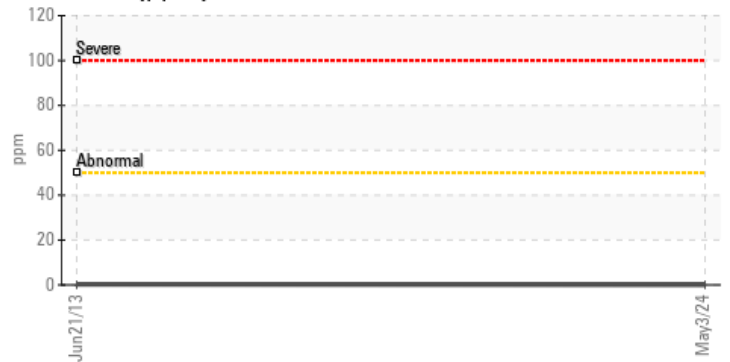


GRAPHS

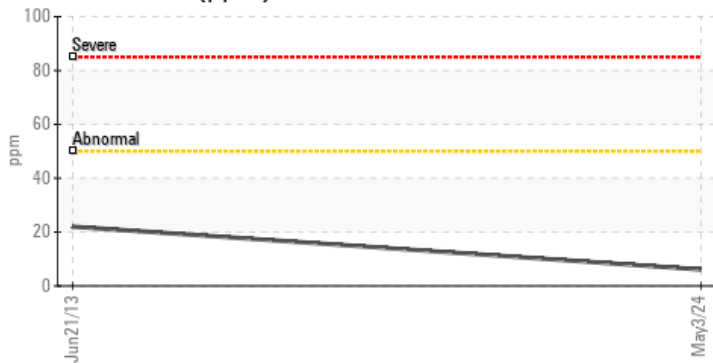
Iron (ppm)



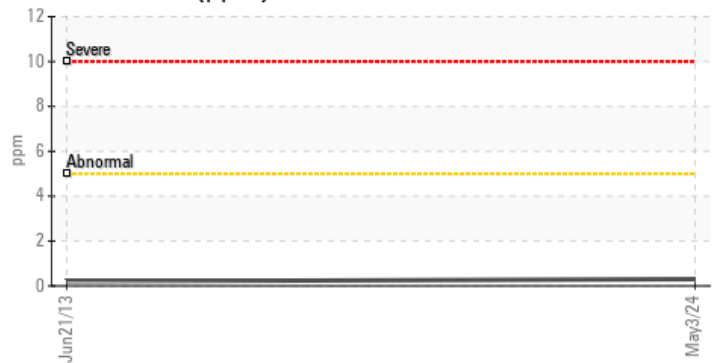
Lead (ppm)



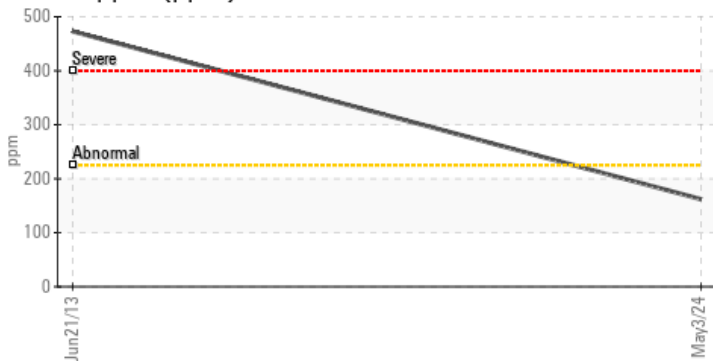
Aluminum (ppm)



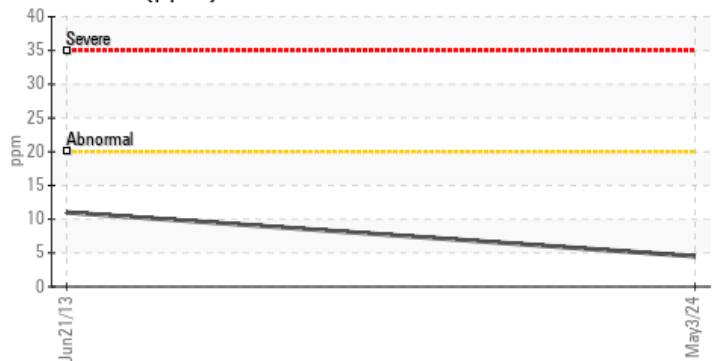
Chromium (ppm)



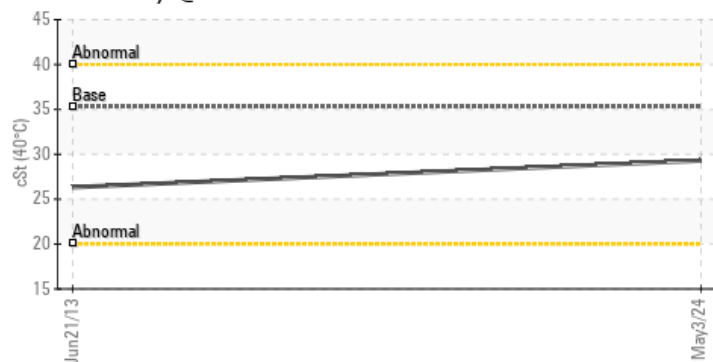
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

