



CONSTRUCTION EQUIPMENT - TRANSMISSION (AUTO)



Sample No: VCP177812
Oil Type: VOLVO AT 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP177812	VCP177549	---	---
Sample Date	29 Apr 2024	23 Mar 2017	---	---
Machine Hours	0	3099	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

404 - ASCENDUM MACHINERY INC - WILLISTON
 5837 JEFFERSON LN
 WILLISTON, ND
 US 58801
 Contact: JOSH EMMONS
 josh.emmons@ascendummachinery.com
 T: (701)577-1249
 F: (701)577-1250



OIL CONDITION

Visc @ 40°C	cSt	32.2	49.4	---	---
-------------	-----	-------------	------	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	6	13	---	---
Sodium	ppm	5	2	---	---
Potassium	ppm	0	2	---	---

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. 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	117	102	---	---
Copper	ppm	39	1	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	2	0	---	---
Aluminum	ppm	1	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1382	3272	---	---
Magnesium	ppm	5	50	---	---
Zinc	ppm	473	1164	---	---
Phosphorus	ppm	777	1011	---	---
Barium	ppm	0	0	---	---
Boron	ppm	223	72	---	---

Depot: BARWIL
Unique No: 11005691
Signed: Jonathan Hester
Report Date: 03 May 2024



CONSTRUCTION EQUIPMENT

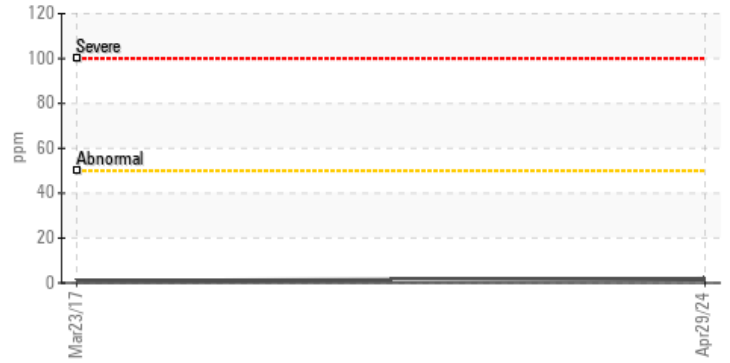


GRAPHS

▲ Iron (ppm)



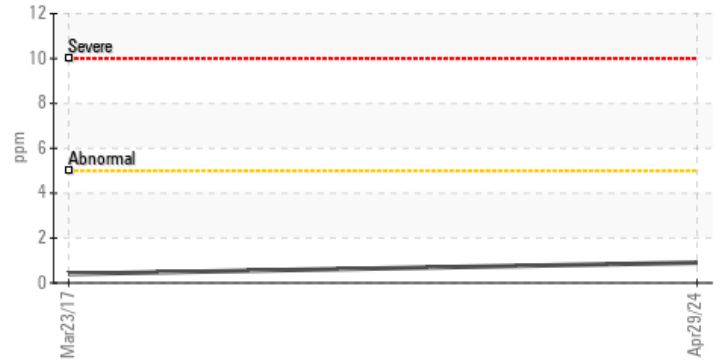
Lead (ppm)



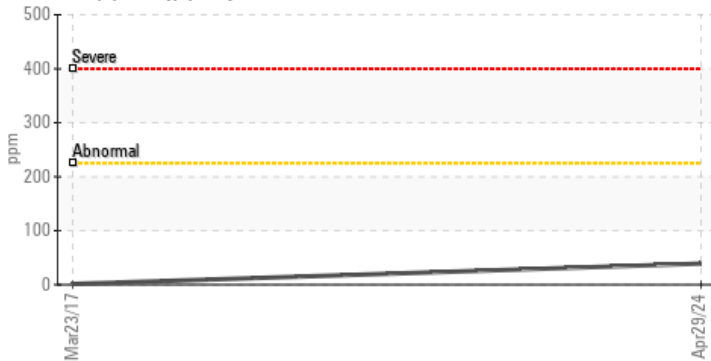
Aluminum (ppm)



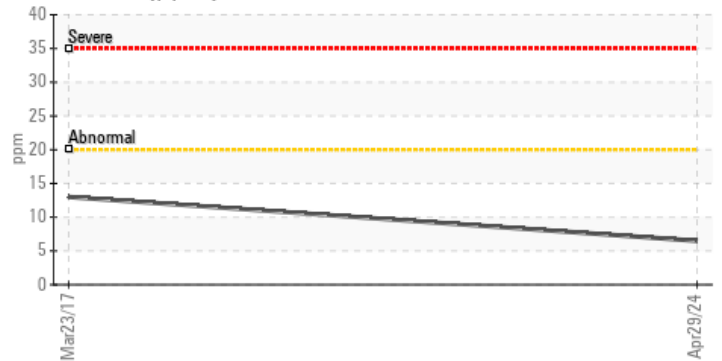
Chromium (ppm)



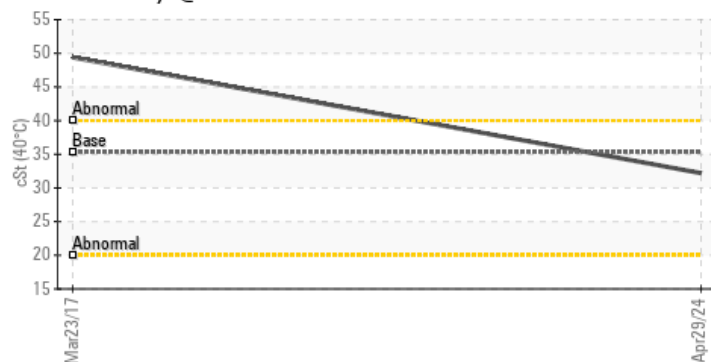
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

