



CONSTRUCTION EQUIPMENT

23731 VOLVO L180H 5514 - TRANSMISSION (AUTO)



Sample No: VCP420809
Oil Type: VOLVO AT 102
Job No: 23731



SAMPLE INFORMATION

Sample Number	VCP420809	VCP383509	---	---
Sample Date	21 Jul 2023	22 Sep 2022	---	---
Machine Hours	4032	2593	---	---
Oil Hours	1000	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

MURRAY MINES
 2696 HIGHWAY 17A
 SUMMERVILLE, SC
 US 29483
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	47.1	27.2	---	---
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T: (843)875-7465
 F:



CONTAMINATION

Silicon	ppm	▲ 66	6	---	---
Sodium	ppm	■ <1	<1	---	---
Potassium	ppm	■ 0	0	---	---

Diagnosis
 We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 26	65	---	---
Copper	ppm	■ 37	14	---	---
Lead	ppm	■ 0	0	---	---
Tin	ppm	■ 0	0	---	---
Aluminum	ppm	■ 1	1	---	---
Chromium	ppm	■ <1	<1	---	---
Molybdenum	ppm	■ <1	0	---	---
Nickel	ppm	■ 0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	■ 0	0	---	---
Manganese	ppm	■ <1	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 1519	80	---	---
Magnesium	ppm	■ 7	<1	---	---
Zinc	ppm	■ 607	20	---	---
Phosphorus	ppm	■ 615	182	---	---
Barium	ppm	■ 0	3	---	---
Boron	ppm	■ 58	57	---	---

Depot: MURSUM
Unique No: 10574715
Signed: Don Baldrige
Report Date: 28 Jul 2023

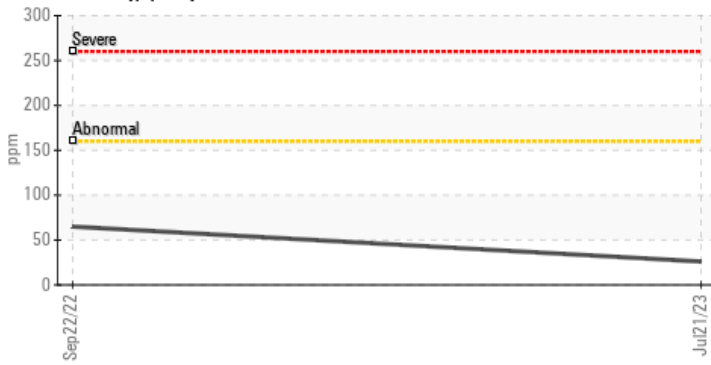


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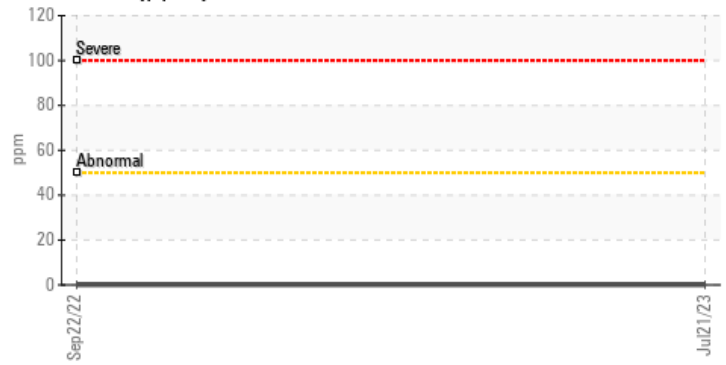


GRAPHS

Iron (ppm)



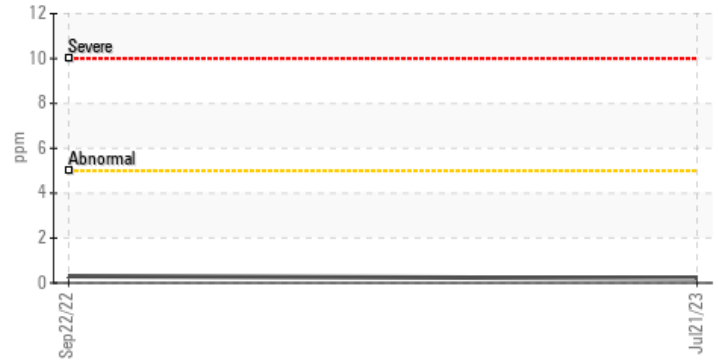
Lead (ppm)



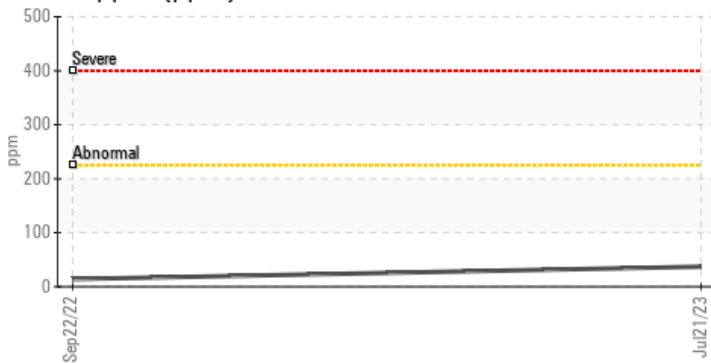
Aluminum (ppm)



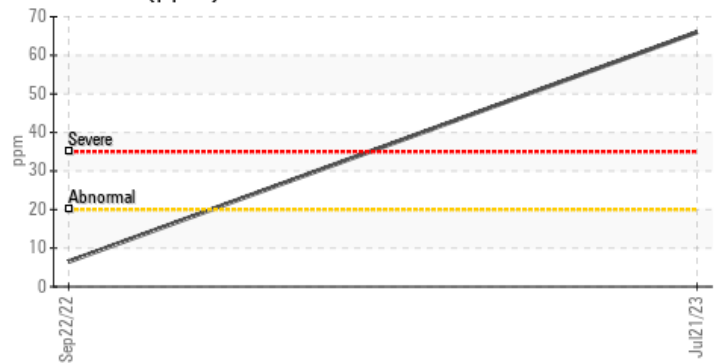
Chromium (ppm)



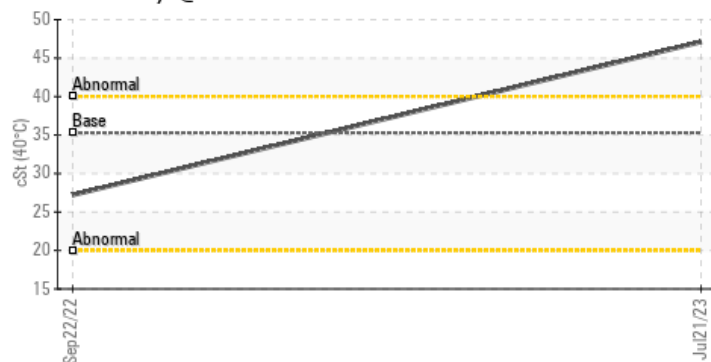
Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

