



CONSTRUCTION EQUIPMENT

19096 VOLVO A45G 353355 - WET DISC BRAKE



Sample No: VCP426893
Oil Type: VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102
Job No: 19096



SAMPLE INFORMATION

Sample Number	VCP426893	VCP425602	---	---
Sample Date	07 Jul 2023	03 Apr 2023	---	---
Machine Hours	946	558	---	---
Oil Hours	946	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

GAINES & CO
 526 THREE SISTERS RD
 KNIGHTDALE, NC
 US 27545
 Contact: BEAR PERONE
 gperone@gainesandco.com
 T: (919)524-4711
 F: (919)944-0091



OIL CONDITION

Visc @ 40°C	cSt	40.7	41.0	---	---
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CONTAMINATION

Silicon	ppm	▲ 31	17	---	---
Sodium	ppm	11	13	---	---
Potassium	ppm	2	<1	---	---

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 63	17	---	---
Copper	ppm	40	12	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	3	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	3	2	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3637	4097	---	---
Magnesium	ppm	11	20	---	---
Zinc	ppm	1601	1642	---	---
Phosphorus	ppm	1315	1312	---	---
Barium	ppm	0	0	---	---
Boron	ppm	128	136	---	---

Depot: GAIKNI
Unique No: 10552876
Signed: Don Baldrige
Report Date: 14 Jul 2023

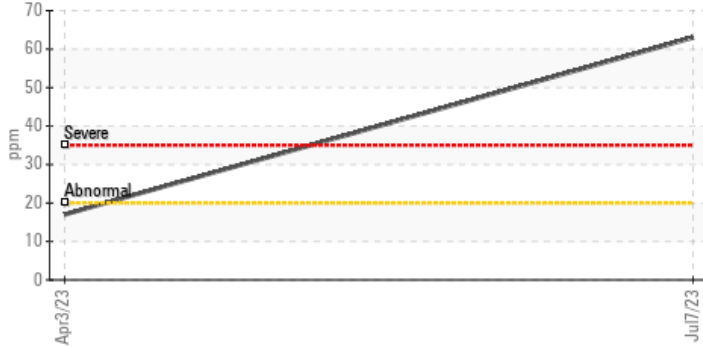


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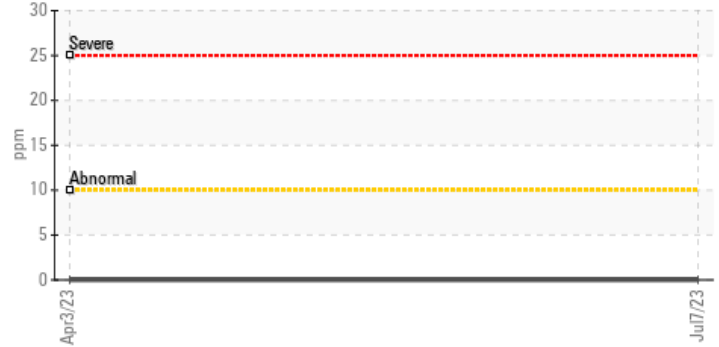


VOLVO GRAPHS

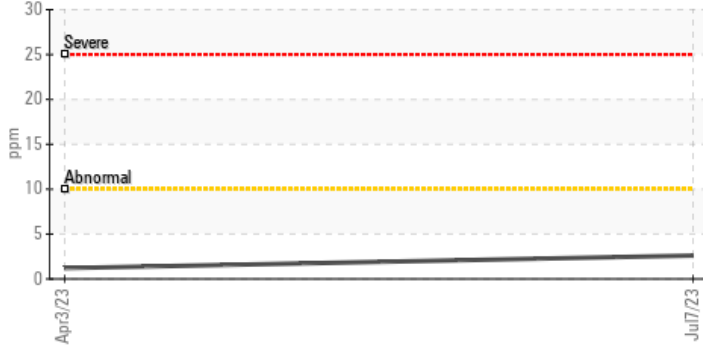
▲ Iron (ppm)



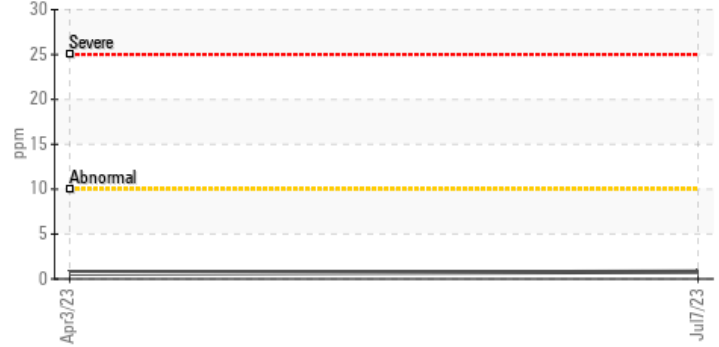
Lead (ppm)



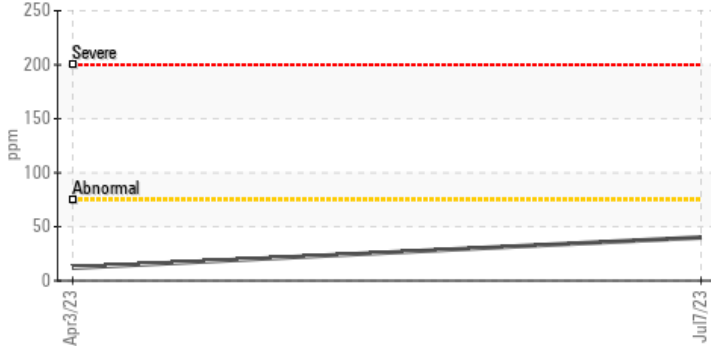
Aluminum (ppm)



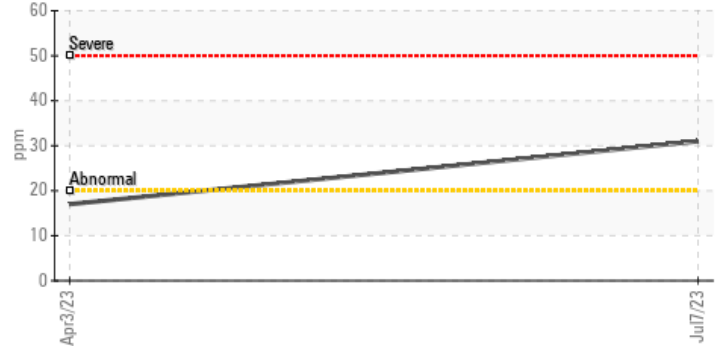
Chromium (ppm)



Copper (ppm)



▲ Silicon (ppm)



Viscosity @ 40°C



Additives

