



CONSTRUCTION EQUIPMENT

SWA309003 VOLVO L90F 25703 - FRONT AXLE



Sample No: VCP418308
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: SWA309003



SAMPLE INFORMATION

Sample Number	VCP418308	VCP370768	VCP263731	---
Sample Date	18 Jul 2023	26 Oct 2022	18 Dec 2019	---
Machine Hours	8719	8396	7112	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	43.6	47.6	47.7	---
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CONTAMINATION

Silicon	ppm	14	22	20	---
Sodium	ppm	6	10	13	---
Potassium	ppm	0	9	8	---



WEAR METALS

Iron	ppm	43	208	175	---
Copper	ppm	<1	2	2	---
Lead	ppm	0	1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	3	2	---
Chromium	ppm	<1	4	4	---
Molybdenum	ppm	<1	3	2	---
Nickel	ppm	<1	0	2	---
Titanium	ppm	<1	1	2	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	7	6	---
Vanadium	ppm	<1	<1	2	---



ADDITIVES

Calcium	ppm	4042	3480	3568	---
Magnesium	ppm	16	13	13	---
Zinc	ppm	1561	1427	1430	---
Phosphorus	ppm	1293	1202	1224	---
Barium	ppm	0	6	4	---
Boron	ppm	158	118	98	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0142
Unique No: 10572481
Signed: Wes Davis
Report Date: 25 Jul 2023

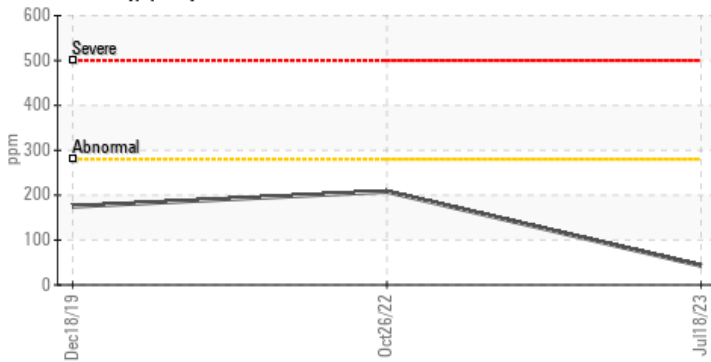


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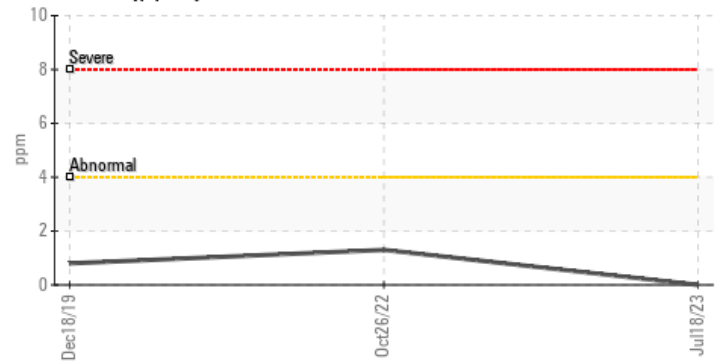


GRAPHS

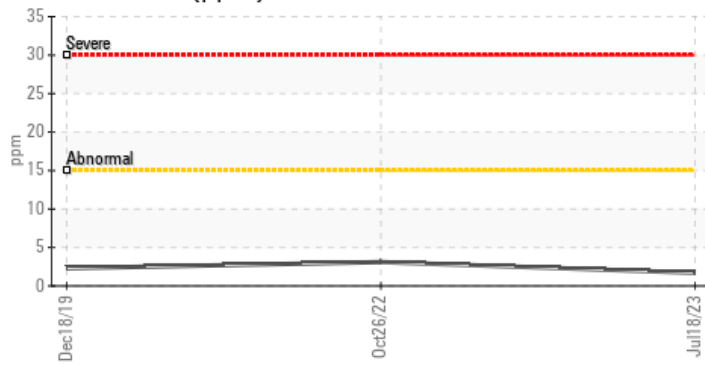
Iron (ppm)



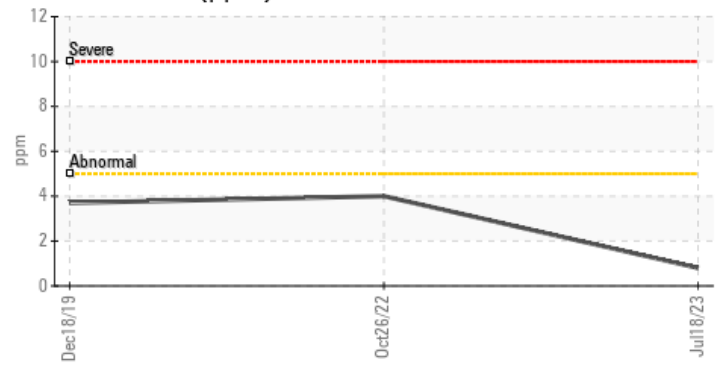
Lead (ppm)



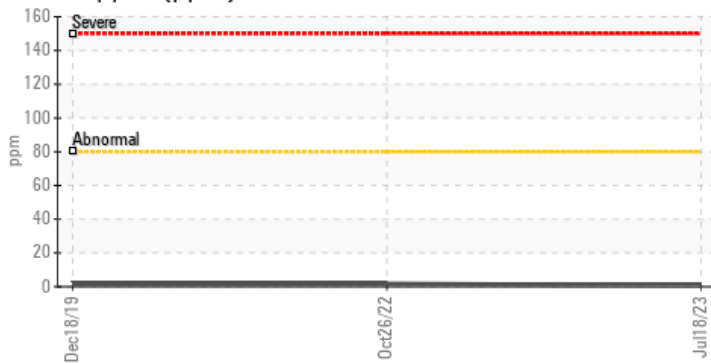
Aluminum (ppm)



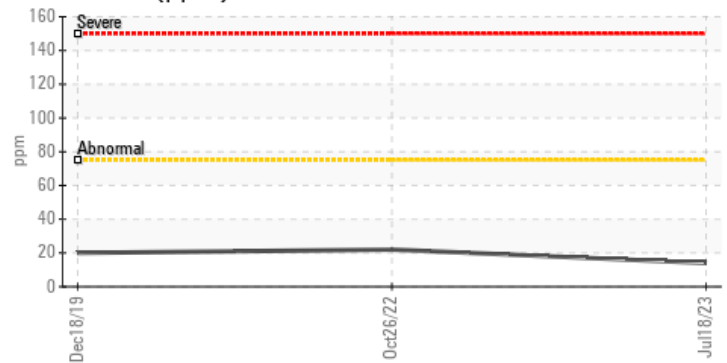
Chromium (ppm)



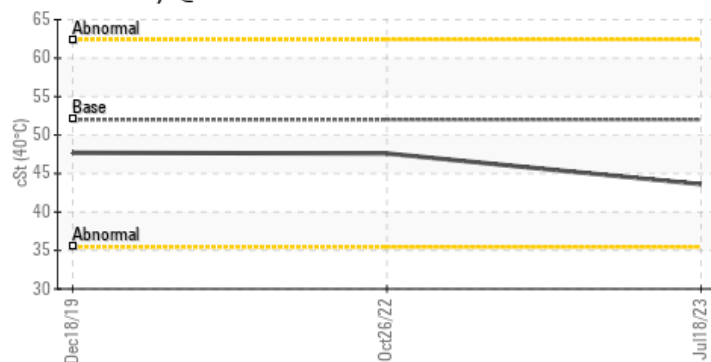
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

