



CONSTRUCTION EQUIPMENT

595224 VOLVO A40G 352787 - BRAKE COOLING SYSTEM



Sample No: VCP417601
Oil Type: VOLVO WB 102
Job No: 595224



SAMPLE INFORMATION

Sample Number	VCP417601	VCP351626	VCP351135	---
Sample Date	25 Aug 2023	30 Jun 2022	20 Jan 2022	---
Machine Hours	4246	1962	940	---
Oil Hours	4246	1962	940	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	39.5	40.0	40.1	---
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CONTAMINATION

Silicon	ppm	19	22	18	---
Sodium	ppm	10	9	12	---
Potassium	ppm	0	2	0	---



WEAR METALS

Iron	ppm	23	14	9	---
Copper	ppm	118	60	20	---
Lead	ppm	1	<1	1	---
Tin	ppm	<1	0	<1	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	6	2	4	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	1	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	3166	3656	4131	---
Magnesium	ppm	7	8	10	---
Zinc	ppm	1478	1586	1667	---
Phosphorus	ppm	1245	1285	1408	---
Barium	ppm	0	2	0	---
Boron	ppm	113	140	130	---

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.

Depot: RIPTAM
Unique No: 10669041
Signed: Don Baldrige
Report Date: 28 Sep 2023

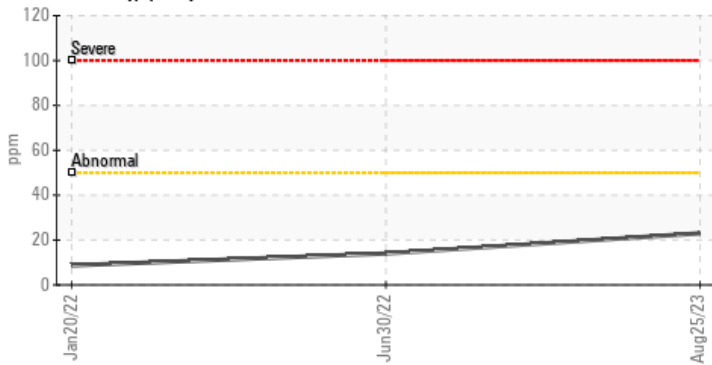


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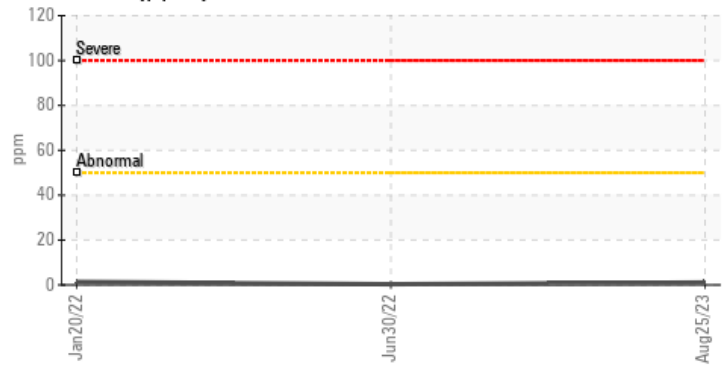


GRAPHS

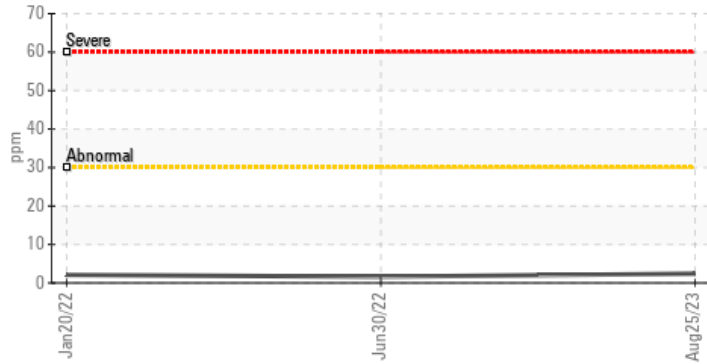
Iron (ppm)



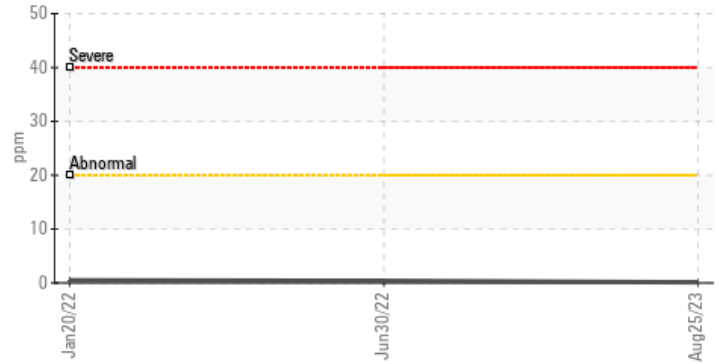
Lead (ppm)



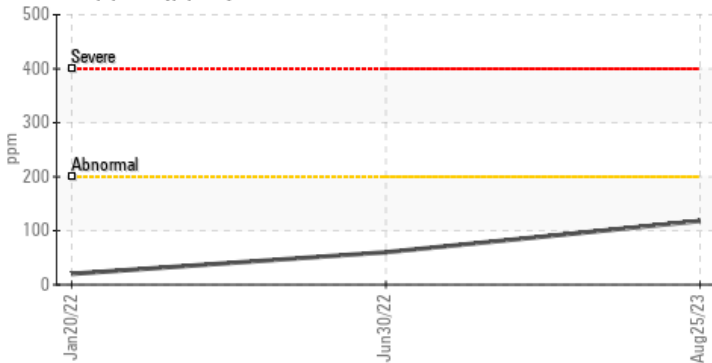
Aluminum (ppm)



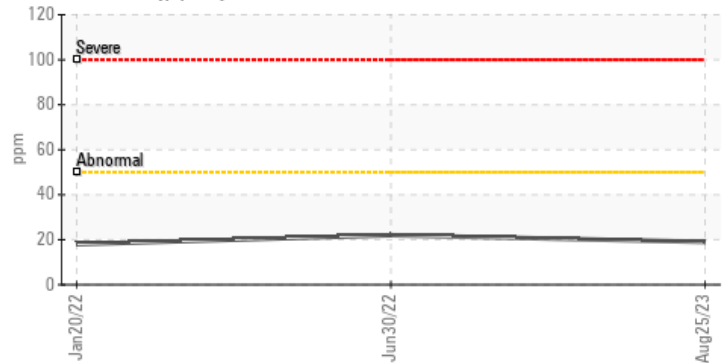
Chromium (ppm)



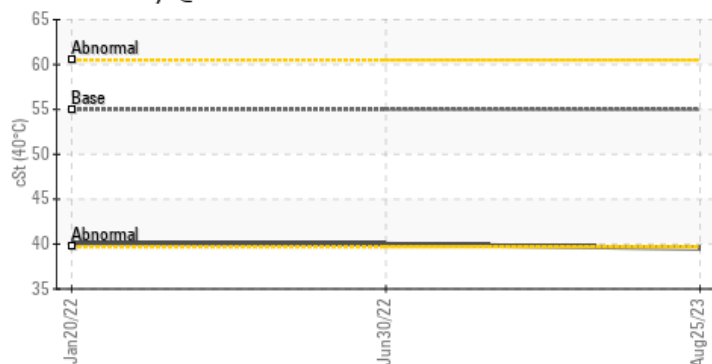
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

