



CONSTRUCTION EQUIPMENT

662069 VOLVO A35F 10350 - BRAKE COOLING SYSTEM



Sample No: VCP440052
Oil Type: VOLVO WB 102
Job No: 662069



SAMPLE INFORMATION

Sample Number	VCP440052	VCP310932	VCP148434	---
Sample Date	01 Feb 2024	18 Jun 2021	05 Sep 2019	---
Machine Hours	12432	11179	10039	---
Oil Hours	4000	3179	2000	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	ABNORMAL	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	47.4	47.7	48.2	---
-------------	-----	-------------	------	------	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	21	15	20	---
Sodium	ppm	5	2	2	---
Potassium	ppm	1	<1	<1	---



WEAR METALS

Iron	ppm	40	29	32	---
Copper	ppm	247	140	121	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	0	1	---
Chromium	ppm	1	<1	<1	---
Molybdenum	ppm	1	<1	1	---
Nickel	ppm	2	1	2	---
Titanium	ppm	1	<1	<1	---
Silver	ppm	0	0	<1	---
Manganese	ppm	2	<1	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	3554	3258	3408	---
Magnesium	ppm	19	13	16	---
Zinc	ppm	1490	1209	1351	---
Phosphorus	ppm	1124	1087	1101	---
Barium	ppm	0	0	0	---
Boron	ppm	109	119	123	---

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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: 10901563
Signed: Sean Felton
Report Date: 01 Mar 2024



CONSTRUCTION EQUIPMENT



GRAPHS

