



CONSTRUCTION EQUIPMENT

VOLVO A45G 352371 - WET DISC BRAKE



Sample No: VCP451406
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP451406	VCP349913	---	---
Sample Date	10 Jul 2024	03 Feb 2022	---	---
Machine Hours	5560	2372	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
 F: (239)481-3302

OIL CONDITION

Visc @ 40°C	cSt	43.1	45.5	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	20	21	---	---
Sodium	ppm	6	6	---	---
Potassium	ppm	2	2	---	---

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. The iron level is abnormal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	44	39	---	---
Copper	ppm	212	79	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	5	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	2	2	---	---
Nickel	ppm	6	4	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	3	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	3326	3916	---	---
Magnesium	ppm	19	18	---	---
Zinc	ppm	1451	1412	---	---
Phosphorus	ppm	1329	1270	---	---
Barium	ppm	0	0	---	---
Boron	ppm	118	123	---	---

Depot: VOLVO0090
Unique No: 11125328
Signed: Don Baldrige
Report Date: 17 Jul 2024



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GRAPHS

▲ Iron (ppm)



Lead (ppm)



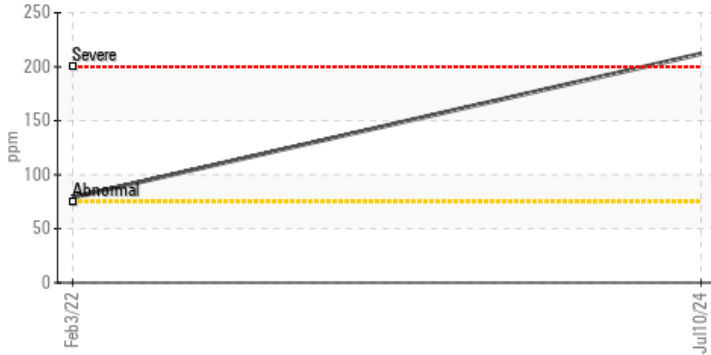
Aluminum (ppm)



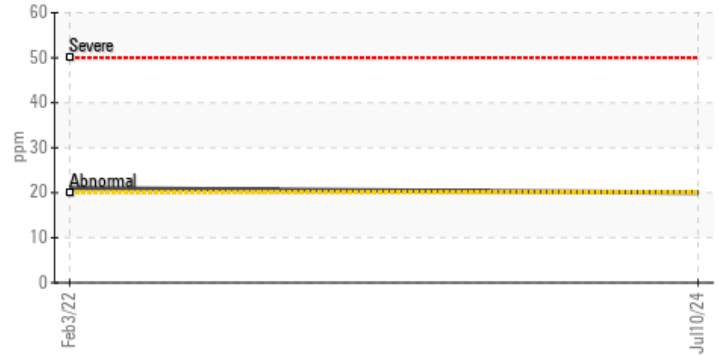
Chromium (ppm)



▲ Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

