



CONSTRUCTION EQUIPMENT

18965 VOLVO A45G 353358 - WET DISC BRAKE



Sample No: VCP410417
Oil Type: VOLVO WB 102
Job No: 18965



SAMPLE INFORMATION

Sample Number	VCP410417	VCP395566	---	---
Sample Date	29 Jun 2023	21 Feb 2023	---	---
Machine Hours	984	506	---	---
Oil Hours	984	506	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---

GAINES & CO

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 US 27545
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 gperone@gainesandco.com
 T: (919)524-4711
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OIL CONDITION

Visc @ 40°C	cSt	40.6	40.7	---	---
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CONTAMINATION

Silicon	ppm	16	21	---	---
Sodium	ppm	11	12	---	---
Potassium	ppm	2	1	---	---



WEAR METALS

Iron	ppm	28	38	---	---
Copper	ppm	66	20	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	<1	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	3	3	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	4	0	---	---
Manganese	ppm	<1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	3512	4234	---	---
Magnesium	ppm	13	18	---	---
Zinc	ppm	1533	1743	---	---
Phosphorus	ppm	1212	1418	---	---
Barium	ppm	2	0	---	---
Boron	ppm	118	137	---	---

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: GAIKNI
Unique No: 10552872
Signed: Don Baldrige
Report Date: 14 Jul 2023



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GRAPHS

