



CONSTRUCTION EQUIPMENT

VOLVO A45G 352367 - A45G - WET DISC BRAKE



Sample No: VCP420174
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No:



SAMPLE INFORMATION

Sample Number	VCP420174	VCP348927	---	---
Sample Date	10 Jul 2023	24 Jan 2022	---	---
Machine Hours	1257	2161	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
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OIL CONDITION

Visc @ 40°C	cSt	█ 40.3	█ 40.2	---	---
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CONTAMINATION

Silicon	ppm	▲ 22	▲ 23	---	---
Sodium	ppm	█ 5	█ 66	---	---
Potassium	ppm	█ 2	█ <1	---	---

Diagnosis
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	█ 29	█ 48	---	---
Copper	ppm	█ 161	█ 114	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ 1	---	---
Chromium	ppm	█ <1	█ 2	---	---
Molybdenum	ppm	█ <1	<1	---	---
Nickel	ppm	█ 8	6	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 1	2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

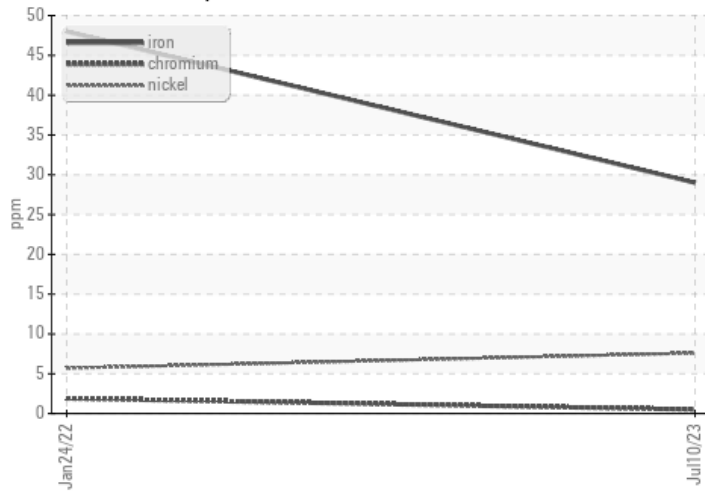
Calcium	ppm	█ 3248	3813	---	---
Magnesium	ppm	█ 8	11	---	---
Zinc	ppm	█ 1462	1486	---	---
Phosphorus	ppm	█ 1277	1362	---	---
Barium	ppm	█ 2	0	---	---
Boron	ppm	█ 109	121	---	---

Depot: VOLVO0090
Unique No: 10551619
Signed: Angela Borella
Report Date: 13 Jul 2023

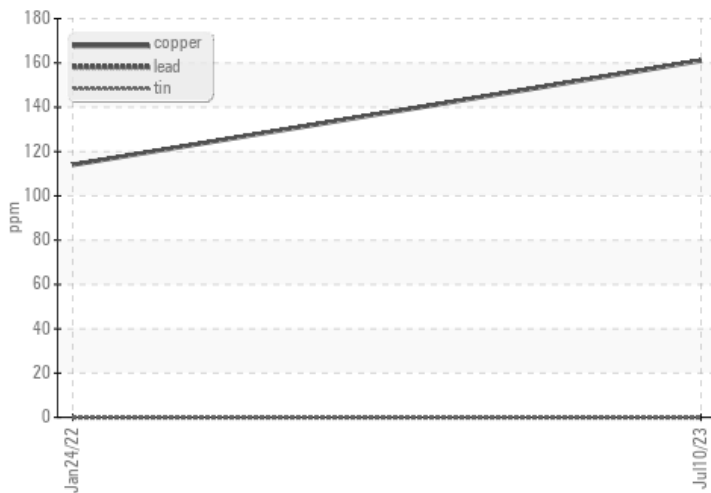


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

