



CONSTRUCTION EQUIPMENT

SWA276465 RANGO VOLVO A45G 352403 - FRONT AXLE



Sample No: VCP407614
Oil Type: TDTO FLUID SAE 50
Job No: SWA276465 RANGO



SAMPLE INFORMATION

Sample Number	VCP407614	VCP384564	VCP371604	---
Sample Date	02 Jun 2023	11 Nov 2022	06 Jul 2022	---
Machine Hours	6060	4478	3984	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	200	197	129	---
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CONTAMINATION

Silicon	ppm	14	15	4	---
Sodium	ppm	1	1	0	---
Potassium	ppm	<1	0	0	---



WEAR METALS

Iron	ppm	161	57	93	---
Copper	ppm	1	<1	1	---
Lead	ppm	<1	<1	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	3	1	1	---
Chromium	ppm	3	1	1	---
Molybdenum	ppm	2	1	<1	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	7	2	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	2882	2707	23	---
Magnesium	ppm	10	17	0	---
Zinc	ppm	1218	1174	14	---
Phosphorus	ppm	1039	972	630	---
Barium	ppm	0	0	4	---
Boron	ppm	19	14	14	---

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: VOLVO5055
Unique No: 10589831
Signed: Wes Davis
Report Date: 08 Aug 2023



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GRAPHS

