



CONSTRUCTION EQUIPMENT

19190 VOLVO A45G 353588 - REAR AXLE



Sample No: VCP417412
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 19190



SAMPLE INFORMATION

Sample Number	VCP417412	---	---	---
Sample Date	17 Jul 2023	---	---	---
Machine Hours	490	---	---	---
Oil Hours	490	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

117 - ASCENDUM MACHINERY INC - GREENVILLE
 2002 N GREENE ST
 GREENVILLE, NC
 US 27834
 Contact: BRANDON JENKINS
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM
 T:
 F: (704)494-8197



OIL CONDITION

Visc @ 40°C	cSt	■ 52.7	---	---	---
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CONTAMINATION

Silicon	ppm	▲ 140	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ 10	---	---	---



WEAR METALS

Iron	ppm	■ 538	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 38	---	---	---
Chromium	ppm	■ 8	---	---	---
Molybdenum	ppm	■ 10	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 16	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 130	---	---	---
Magnesium	ppm	■ 7	---	---	---
Zinc	ppm	■ 55	---	---	---
Phosphorus	ppm	■ 2395	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 275	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: VOLVO8769
Unique No: 10587576
Signed: Don Baldrige
Report Date: 07 Aug 2023



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GRAPHS

