



CONSTRUCTION EQUIPMENT

19764 LANE-BLYTHE VOLVO A45G FS 352463 - FRONT AXLE



Sample No: VCP441376
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 19764 LANE-BLYTHE



SAMPLE INFORMATION

Sample Number	VCP441376	VCP418626	VCP331007	---
Sample Date	05 Oct 2023	07 Jun 2023	16 Jun 2022	---
Machine Hours	4306	3658	2321	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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	178	177	█ 179	---
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CONTAMINATION

Silicon	ppm	█ 5	█ 5	█ 3	---
Sodium	ppm	█ 0	█ 2	█ 2	---
Potassium	ppm	█ 2	█ 0	█ 0	---

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.



WEAR METALS

Iron	ppm	█ 163	█ 202	█ 200	---
Copper	ppm	█ 2	█ 1	█ 1	---
Lead	ppm	█ 0	█ 0	█ 0	---
Tin	ppm	█ 0	█ 0	█ 0	---
Aluminum	ppm	█ 2	█ 0	█ <1	---
Chromium	ppm	█ 2	█ 3	█ 3	---
Molybdenum	ppm	█ 5	█ 6	7	---
Nickel	ppm	█ <1	█ <1	█ <1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	█ 14	█ 16	13	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	█ 95	█ 55	58	---
Magnesium	ppm	█ 5	█ 2	3	---
Zinc	ppm	█ 38	█ 20	27	---
Phosphorus	ppm	█ 1017	█ 1027	1000	---
Barium	ppm	█ <1	█ 0	0	---
Boron	ppm	█ 155	█ 178	158	---

Depot: VOLVO8769
Unique No: 10702494
Signed: Don Baldrige
Report Date: 23 Oct 2023



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GRAPHS

