



CONSTRUCTION EQUIPMENT

621714 TUCKER VOLVO A25G 752447 - FRONT AXLE



Sample No: VCP430271
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 621714 TUCKER



SAMPLE INFORMATION

Sample Number	VCP430271	VCP381554	VCP388349	---
Sample Date	31 Oct 2023	23 Feb 2023	24 Oct 2022	---
Machine Hours	2238	1077	504	---
Oil Hours	1500	1000	500	---
Oil Changed	Changed	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	246	250	91.0	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	4	4	---
Sodium	ppm	2	1	<1	---
Potassium	ppm	2	<1	<1	---

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	108	70	168	---
Copper	ppm	12	7	23	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	2	2	4	---
Molybdenum	ppm	6	6	13	---
Nickel	ppm	2	<1	3	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	3	8	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	184	197	739	---
Magnesium	ppm	8	8	1	---
Zinc	ppm	98	91	310	---
Phosphorus	ppm	1059	1023	1294	---
Barium	ppm	<1	0	2	---
Boron	ppm	160	165	225	---

Depot: VOLVO0093
Unique No: 10765285
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

