



CONSTRUCTION EQUIPMENT

633732 PRIMORIS VOLVO A40G 352781 - FRONT AXLE



Sample No: VCP432195
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 633732 PRIMORIS



SAMPLE INFORMATION

Sample Number	VCP432195	VCP392678	VCP398034	VCP364284
Sample Date	15 Nov 2023	26 Apr 2023	20 Dec 2022	16 Aug 2022
Machine Hours	4220	3765	2564	2547
Oil Hours	3720	272	1500	500
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

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	306	302	260	313
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	1	2
Sodium	ppm	1	0	<1	0
Potassium	ppm	2	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	124	133	32	78
Copper	ppm	2	1	<1	<1
Lead	ppm	0	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	0	0	0
Chromium	ppm	2	2	<1	<1
Molybdenum	ppm	1	1	1	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	5	2	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	7	7	27	3
Magnesium	ppm	0	<1	5	0
Zinc	ppm	4	4	71	0
Phosphorus	ppm	1079	1086	974	1069
Barium	ppm	0	0	0	0
Boron	ppm	164	177	175	180

Depot: VOLVO0093
Unique No: 10765286
Signed: Don Baldrige
Report Date: 03 Dec 2023



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GRAPHS

