



CONSTRUCTION EQUIPMENT

715594 VOLVO A40G 352851 - FRONT AXLE



Sample No: VCP445592
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 715594



SAMPLE INFORMATION

Sample Number	VCP445592	VCP429372	VCP420262	VCP385546
Sample Date	31 May 2024	06 Nov 2023	12 Apr 2023	07 Oct 2022
Machine Hours	5237	4099	3090	2036
Oil Hours	1037	3000	2090	1500
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ATTENTION	ATTENTION	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	236	54.6	55.9	55.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	1	3
Sodium	ppm	0	1	1	0
Potassium	ppm	2	3	<1	2

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	97	181	142	115
Copper	ppm	<1	1	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	2	2	2	2
Molybdenum	ppm	2	1	2	1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	5	5	4
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	127	10	37	47
Magnesium	ppm	13	<1	1	2
Zinc	ppm	80	10	27	29
Phosphorus	ppm	1104	2158	2386	2403
Barium	ppm	0	0	0	0
Boron	ppm	171	148	266	265

Depot: RIPTAM
Unique No: 11127030
Signed: Wes Davis
Report Date: 17 Jul 2024



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GRAPHS

