



CONSTRUCTION EQUIPMENT

607016 VOLVO A40F 342498 - FRONT AXLE



Sample No: VCP426343
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 607016



SAMPLE INFORMATION

Sample Number	VCP426343	VCP400034	VCP375923	VCP332173
Sample Date	18 Sep 2023	27 Feb 2023	15 Jun 2022	05 Jan 2022
Machine Hours	8432	7463	6561	5591
Oil Hours	4000	3000	2000	1500
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	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	286	283	245	247
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CONTAMINATION

Silicon	ppm	9	9	2	4
Sodium	ppm	0	0	<1	1
Potassium	ppm	2	0	0	2



WEAR METALS

Iron	ppm	70	61	35	50
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	1	<1	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	6	4	1	2
Nickel	ppm	<1	0	0	1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	102	96	129	213
Magnesium	ppm	53	51	47	97
Zinc	ppm	77	56	88	144
Phosphorus	ppm	1106	867	602	1077
Barium	ppm	9	0	0	0
Boron	ppm	185	151	116	186

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.

Depot: RIPTAM
Unique No: 10709598
Signed: Wes Davis
Report Date: 24 Oct 2023



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GRAPHS

