



CONSTRUCTION EQUIPMENT

715594 VOLVO A40G 352851 - REAR AXLE



Sample No: VCP443576
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 715594



SAMPLE INFORMATION

Sample Number	VCP443576	VCP403965	VCP411363	VCP386364
Sample Date	31 May 2024	06 Nov 2023	12 Apr 2023	07 Oct 2022
Machine Hours	5237	4099	3090	2036
Oil Hours	1037	3000	2744	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	230	54.3	54.6	56.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	1	2
Sodium	ppm	0	2	1	0
Potassium	ppm	2	1	<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	124	145	135	109
Copper	ppm	2	7	2	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	2	0	<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	4	4
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	112	104	15	15
Magnesium	ppm	13	<1	1	2
Zinc	ppm	75	39	11	13
Phosphorus	ppm	1114	2240	2369	2303
Barium	ppm	0	0	0	0
Boron	ppm	169	164	271	274

Depot: RIPTAM
Unique No: 11127049
Signed: Wes Davis
Report Date: 17 Jul 2024



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GRAPHS

