



CONSTRUCTION EQUIPMENT

SPM659044-10 VOLVO A40G 341625 - REAR AXLE



Sample No: VCP442652
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM659044-10



SAMPLE INFORMATION

Sample Number	VCP442652	VCP398119	VCP344746	VCP299509
Sample Date	11 Jan 2024	17 Mar 2023	12 Oct 2021	04 Jan 2021
Machine Hours	8515	7472	5457	4161
Oil Hours	0	2015	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
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OIL CONDITION

Visc @ 40°C	cSt	271	295	306	309
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	2	5
Sodium	ppm	<1	1	<1	<1
Potassium	ppm	<1	0	10	5

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	9	32	16	41
Copper	ppm	<1	2	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	9	4	2	3
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	173	139	84	81
Magnesium	ppm	51	19	14	12
Zinc	ppm	112	72	38	30
Phosphorus	ppm	1178	1018	692	878
Barium	ppm	0	0	0	0
Boron	ppm	186	191	131	170

Depot: VOLVO0090
Unique No: 10835300
Signed: Don Baldrige
Report Date: 20 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

