



CONSTRUCTION EQUIPMENT

658711 VOLVO A30G 742060 - FRONT AXLE



Sample No: VCP428501
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 658711



SAMPLE INFORMATION

Sample Number	VCP428501	VCP398958	VCP377382	VCP332735
Sample Date	06 Jan 2024	13 Dec 2022	21 Jun 2022	24 Feb 2022
Machine Hours	9195	8120	7206	6292
Oil Hours	1000	4000	1500	2000
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: ROBERT TURNER
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 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	304	242	242	183
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	3	4	3
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	<1	0	0	0

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	103	146	131	180
Copper	ppm	2	4	3	6
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	2	2	2	3
Molybdenum	ppm	3	3	2	8
Nickel	ppm	1	<1	1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	4
Manganese	ppm	2	2	2	5
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	74	66	57	120
Magnesium	ppm	9	10	4	25
Zinc	ppm	29	65	60	55
Phosphorus	ppm	1120	1008	1083	1136
Barium	ppm	0	0	0	0
Boron	ppm	175	166	215	164

Depot: RIPTAM
Unique No: 10862333
Signed: Don Baldrige
Report Date: 07 Feb 2024



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GRAPHS

