



CONSTRUCTION EQUIPMENT

658711 VOLVO A30G 742060 - REAR AXLE



Sample No: VCP428758
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 658711



SAMPLE INFORMATION

Sample Number	VCP428758	VCP398963	VCP377375	VCP332736
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 Changd	Changed	Not Changd	Changed
Sample Status	NORMAL	ABNORMAL	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	267	265	243	306
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	8	4	38
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	47	258	134	605
Copper	ppm	8	5	3	56
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	<1	2
Aluminum	ppm	1	<1	<1	2
Chromium	ppm	<1	2	2	8
Molybdenum	ppm	21	4	2	12
Nickel	ppm	<1	1	1	4
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	6	2	21
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	137	62	67	92
Magnesium	ppm	43	15	6	17
Zinc	ppm	85	52	62	47
Phosphorus	ppm	1073	969	1123	907
Barium	ppm	0	0	0	0
Boron	ppm	162	173	222	134

Depot: RIPTAM
Unique No: 10862335
Signed: Don Baldrige
Report Date: 07 Feb 2024



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GRAPHS

