



CONSTRUCTION EQUIPMENT

646466 VOLVO A30G 740270 - FRONT AXLE



Sample No: VCP432026
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 646466



SAMPLE INFORMATION

Sample Number	VCP432026	VCP385821	VCP354554	VCP326455
Sample Date	13 Dec 2023	23 Nov 2022	01 Jun 2022	23 Sep 2021
Machine Hours	11945	10327	9479	8623
Oil Hours	4000	500	1000	1500
Oil Changed	Changed	Not Changd	Not Changd	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	175	203	282	248
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	8	2
Sodium	ppm	0	<1	0	<1
Potassium	ppm	2	0	<1	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	107	76	109	71
Copper	ppm	21	8	7	12
Lead	ppm	0	0	0	<1
Tin	ppm	1	<1	<1	0
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	2	1	2	1
Molybdenum	ppm	5	3	4	5
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	106	78	100	79
Magnesium	ppm	27	19	26	14
Zinc	ppm	244	137	58	48
Phosphorus	ppm	966	805	979	838
Barium	ppm	0	0	0	0
Boron	ppm	179	152	251	138

Depot: RIPTAM
Unique No: 10846430
Signed: Wes Davis
Report Date: 25 Jan 2024



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VOLVO GRAPHS

