



CONSTRUCTION EQUIPMENT

662078 VOLVO A30F 82303 - BOGIE/CENTER AXLE



Sample No: VCP452096
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 662078



SAMPLE INFORMATION

Sample Number	VCP452096	VCP390206	VCP275972	VCP177529
Sample Date	02 Feb 2024	28 Dec 2022	25 Apr 2020	01 Apr 2016
Machine Hours	12787	11500	10182	4143
Oil Hours	4000	1500	2000	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	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	293	291	267	230.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	28	20	▲ 58	8
Sodium	ppm	0	1	<1	<1
Potassium	ppm	0	0	0	<1

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	180	113	234	146
Copper	ppm	6	11	15	8
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	1	<1	4	0
Chromium	ppm	2	1	3	2
Molybdenum	ppm	0	1	<1	0
Nickel	ppm	<1	<1	2	1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	2	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	250	216	150	48
Magnesium	ppm	12	11	17	5
Zinc	ppm	115	105	69	38
Phosphorus	ppm	1012	877	942	977
Barium	ppm	0	0	0	0
Boron	ppm	154	150	135	161

Depot: RIPTAM
Unique No: 10887359
Signed: Wes Davis
Report Date: 21 Feb 2024



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GRAPHS

