



CONSTRUCTION EQUIPMENT

VOLVO A30F 82299 - FRONT AXLE



Sample No: VCP454334
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP454334	VCP332204	VCP272876	VCP162722
Sample Date	08 Feb 2024	20 Jan 2022	30 Mar 2020	01 Oct 2014
Machine Hours	11488	10461	10028	1368
Oil Hours	0	1500	2000	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	ATTENTION	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	▲ 370	■ 140	■ 219	■ 60.54
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ <1	■ 4	■ 22	■ 2
Sodium	ppm	■ 0	■ 0	■ <1	■ 2
Potassium	ppm	■ 0	■ 2	■ 3	■ 2

Diagnosis
 No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Confirm oil type.

WEAR METALS

Iron	ppm	■ 2	■ 231	■ 145	■ 412
Copper	ppm	■ <1	■ 13	■ 10	■ 22
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ <1
Aluminum	ppm	■ 0	■ <1	■ <1	■ <1
Chromium	ppm	■ 0	■ 3	■ 2	■ 9
Molybdenum	ppm	■ 0	■ <1	■ <1	■ 0
Nickel	ppm	■ 0	■ 0	■ 1	■ 5
Titanium	ppm	0	0	<1	1
Silver	ppm	0	0	0	0
Manganese	ppm	■ <1	■ 3	■ 1	16
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	■ 91	■ 18	■ 127	■ 27
Magnesium	ppm	■ 0	■ 0	■ 14	■ 0
Zinc	ppm	■ 33	4	■ 83	■ 13
Phosphorus	ppm	■ 930	■ 1045	■ 942	■ 1258
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 197	■ 268	■ 123	■ 160

Depot: RIPTAM
Unique No: 10875189
Signed: Jonathan Hester
Report Date: 15 Feb 2024



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GRAPHS

