



CONSTRUCTION EQUIPMENT

593679 VOLVO A30G 742129 - DROP BOX



Sample No: VCP417035
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 593679



SAMPLE INFORMATION

Sample Number	VCP417035	VCP386633	VCP360662	VCP288913
Sample Date	12 Aug 2023	21 Dec 2022	11 Apr 2022	22 Oct 2020
Machine Hours	9111	8052	7176	5286
Oil Hours	1000	2000	3000	1000
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	ATTENTION

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rturner@ripatampa.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 108	■ 212	■ 213	▲ 53.4
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CONTAMINATION

Silicon	ppm	■ 29	■ 18	■ 17	■ 41
Sodium	ppm	■ <1	■ 4	■ 5	■ 9
Potassium	ppm	■ 4	■ 21	■ 24	■ <1



WEAR METALS

Iron	ppm	■ 72	■ 109	■ 82	■ 218
Copper	ppm	■ 0	■ 1	■ 1	■ 8
Lead	ppm	■ 0	■ <1	■ 0	■ 0
Tin	ppm	■ 0	■ <1	■ <1	■ <1
Aluminum	ppm	■ 2	■ 4	■ 4	■ 0
Chromium	ppm	■ <1	■ 2	■ 1	■ 2
Molybdenum	ppm	■ 1	■ 12	■ 13	■ 9
Nickel	ppm	■ 0	■ <1	■ 0	■ <1
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ <1	■ 2	■ 2	■ 4
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 94	■ 208	239	■ 42
Magnesium	ppm	■ 12	■ 38	■ 41	■ 2
Zinc	ppm	■ 372	■ 209	■ 195	■ 70
Phosphorus	ppm	■ 625	■ 869	■ 918	2235
Barium	ppm	■ 0	■ <1	■ 0	■ 0
Boron	ppm	■ 58	■ 92	■ 122	■ 85

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 oil viscosity is lower than normal. Confirm oil type.

Depot: RIPTAM
Unique No: 10642057
Signed: Don Baldrige
Report Date: 12 Sep 2023



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GRAPHS

