



CONSTRUCTION EQUIPMENT

286697 PASCO EXC VOLVO A30G 742628 - DROP BOX



Sample No: VCP412103
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 286697 PASCO EXC



SAMPLE INFORMATION

Sample Number	VCP412103	VCP390695	VCP348332	VCP315488
Sample Date	21 Jun 2023	11 Oct 2022	04 Mar 2022	10 Mar 2021
Machine Hours	5336	8403	3322	1862
Oil Hours	1000	4000	3322	1862
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	NORMAL	ATTENTION

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: JOHN FARDELLA
 JFARDELLA@ALTAEQUIPFL.COM
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

Visc @ 40°C	cSt	▲ 47.6	▲ 54.3	■ 197	▲ 60.7
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CONTAMINATION

Silicon	ppm	■ 27	■ 22	■ 4	■ 23
Sodium	ppm	■ 0	■ 6	■ <1	■ 8
Potassium	ppm	■ 2	■ 0	■ 0	■ 0



WEAR METALS

Iron	ppm	■ 56	■ 77	■ 104	■ 65
Copper	ppm	■ 2	■ 1	■ 5	■ 1
Lead	ppm	■ <1	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ 4	■ 13	■ <1	■ 9
Chromium	ppm	■ <1	■ 1	■ 2	■ 1
Molybdenum	ppm	■ 7	■ 11	■ 3	■ 13
Nickel	ppm	■ <1	■ <1	■ 0	■ 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	1	0
Manganese	ppm	■ 2	■ 2	■ 3	■ 2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	■ 38	■ 70	■ 158	■ 56
Magnesium	ppm	■ 4	■ <1	■ 19	■ 0
Zinc	ppm	■ 40	■ 129	■ 85	■ 31
Phosphorus	ppm	■ 2404	■ 1242	■ 1058	1426
Barium	ppm	■ 2	■ 0	■ 0	■ 0
Boron	ppm	■ 224	■ 155	■ 165	■ 224

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: VOLVO0093
Unique No: 10566013
Signed: Don Baldrige
Report Date: 25 Jul 2023



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GRAPHS

