



CONSTRUCTION EQUIPMENT

661201 BCSW VOLVO A40G 342555 - DROP BOX



Sample No: VCP439115
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 661201 BCSW



ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
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SAMPLE INFORMATION

Sample Number	VCP439115	VCP405172	VCP359846	VCP317565
Sample Date	02 Feb 2024	21 Apr 2023	07 Jun 2022	16 Jul 2021
Machine Hours	11136	9562	7678	6086
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	SEVERE	ABNORMAL	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	302	213	202	199
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	9	9	7
Sodium	ppm	5	4	3	3
Potassium	ppm	3	<1	3	2



WEAR METALS

Iron	ppm	1599	1287	887	557
Copper	ppm	8	9	7	8
Lead	ppm	1	0	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	121	24	11	2
Chromium	ppm	19	15	9	6
Molybdenum	ppm	16	17	9	8
Nickel	ppm	16	8	3	3
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	12	14	10	7
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	101	67	77	68
Magnesium	ppm	19	19	16	16
Zinc	ppm	62	76	87	73
Phosphorus	ppm	1060	1006	1065	1116
Barium	ppm	0	0	2	0
Boron	ppm	162	131	100	116

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0096
Unique No: 10871813
Signed: Jonathan Hester
Report Date: 12 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

