



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 379600 VOLVO EC700C 110604 - RIGHT SWING DRIVE



Sample No: VCP394836
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 379600



SAMPLE INFORMATION

Sample Number	VCP394836	VCP275344	VCP260377	VCP221680
Sample Date	13 Oct 2023	18 Feb 2021	29 Jul 2020	02 Oct 2019
Machine Hours	10016	7448	7047	6095
Oil Hours	0	2000	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	SEVERE	ABNORMAL	ABNORMAL	ABNORMAL

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 40°C	cSt	148	147	145	141
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CONTAMINATION

Water	%	2.334	1.454	0.702	0.790
Silicon	ppm	3	4	3	5
Sodium	ppm	2	1	<1	<1
Potassium	ppm	<1	<1	<1	<1

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. Free water present. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	92	32	35	102
Copper	ppm	6	3	4	10
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	<1	0	<1
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	20	31	13	31
Magnesium	ppm	2	1	2	3
Zinc	ppm	14	17	9	30
Phosphorus	ppm	935	979	1056	1057
Barium	ppm	<1	0	0	<1
Boron	ppm	68	160	155	149

Depot: VOLVO0252
Unique No: 5658853
Signed: Kevin Marson
Report Date: 19 Oct 2023



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GRAPHS

