



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 390107 VOLVO EC700C 110606 - RIGHT SWING DRIVE



Sample No: VCP391533
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 390107



SAMPLE INFORMATION

Sample Number	VCP391533	VCP394774	VCP275316	VCP251350
Sample Date	08 Jan 2024	11 Jul 2023	01 Mar 2021	13 Jul 2020
Machine Hours	28630	25708	19663	16884
Oil Hours	0	0	1000	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 40°C	cSt	140	142	138	128
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CONTAMINATION

Water	%	▲ 1.118	NEG	NEG	NEG
Silicon	ppm	2	2	4	4
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	1	<1	<1	<1



WEAR METALS

Iron	ppm	35	94	110	157
Copper	ppm	2	2	4	4
Lead	ppm	<1	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	<1	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	24	8	61	57
Magnesium	ppm	2	2	2	3
Zinc	ppm	23	12	32	48
Phosphorus	ppm	994	1152	980	1043
Barium	ppm	0	0	0	0
Boron	ppm	149	172	112	118

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 moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO0252
Unique No: 5708949
Signed: Kevin Marson
Report Date: 11 Jan 2024



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GRAPHS

