



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 379600 VOLVO EC700C 110604 - LEFT SWING DRIVE



Sample No: VCP394835
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 379600



SAMPLE INFORMATION

Sample Number	VCP394835	VCP275321	VCP260374	VCP221677
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	N/A	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	ABNORMAL

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 40°C	cSt	142	145	141	135
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CONTAMINATION

Water	%	---	▲ 0.489	---	▲ 0.419
Silicon	ppm	3	4	2	4
Sodium	ppm	<1	<1	<1	2
Potassium	ppm	0	0	<1	<1



WEAR METALS

Iron	ppm	106	28	44	91
Copper	ppm	12	5	6	18
Lead	ppm	<1	<1	<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	0	0	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	<1	0	<1
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	8	22	16	11
Magnesium	ppm	<1	1	3	3
Zinc	ppm	13	19	16	36
Phosphorus	ppm	984	943	1038	1026
Barium	ppm	<1	0	0	<1
Boron	ppm	149	133	164	145

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0252
Unique No: 5658826
Signed: Wes Davis
Report Date: 17 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

