



CONSTRUCTION EQUIPMENT

594651 VOLVO EW180 320056 - FRONT AXLE



Sample No: VCP412535
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 594651



SAMPLE INFORMATION

Sample Number	VCP412535	VCP359937	VCP310142	VCP301846
Sample Date	17 Aug 2023	27 Jun 2022	26 Jun 2021	28 Jan 2021
Machine Hours	3505	6528	2404	2155
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

HUBBARD CONSTRUCTION
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OIL CONDITION

Visc @ 40°C	cSt	164	310	317	55.6
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CONTAMINATION

Silicon	ppm	8	2	4	11
Sodium	ppm	8	1	0	14
Potassium	ppm	<1	0	0	0



WEAR METALS

Iron	ppm	133	8	22	44
Copper	ppm	35	<1	<1	6
Lead	ppm	0	0	<1	0
Tin	ppm	2	0	0	2
Aluminum	ppm	2	0	0	1
Chromium	ppm	1	0	<1	2
Molybdenum	ppm	0	0	<1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	5
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	▲ 1151	87	84	3718
Magnesium	ppm	8	<1	1	9
Zinc	ppm	▲ 497	38	30	1427
Phosphorus	ppm	1062	617	830	1164
Barium	ppm	3	0	0	0
Boron	ppm	134	113	278	102

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. 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: HUBORL
Unique No: 10617634
Signed: Jonathan Hester
Report Date: 25 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

