



CONSTRUCTION EQUIPMENT

620889 VOLVO L90H 623580 - REAR AXLE



Sample No: VCP435115
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 620889



SAMPLE INFORMATION

Sample Number	VCP435115	VCP349375	VCP296560	VCP267066
Sample Date	17 Oct 2023	28 Jan 2022	30 Oct 2020	20 Feb 2020
Machine Hours	8196	10200	8650	7568
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	292	41.2	39.9	40.2
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CONTAMINATION

Silicon	ppm	3	11	14	11
Sodium	ppm	0	8	8	4
Potassium	ppm	2	0	0	2

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. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	128	23	21	23
Copper	ppm	3	2	3	10
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	1	<1	<1
Chromium	ppm	2	<1	<1	<1
Molybdenum	ppm	3	2	1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	<1	1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	139	4205	4237	4003
Magnesium	ppm	14	30	18	16
Zinc	ppm	63	1613	1699	1560
Phosphorus	ppm	1079	1285	1351	1339
Barium	ppm	<1	0	0	0
Boron	ppm	198	128	129	122

Depot: VOLVO0096
Unique No: 10702388
Signed: Wes Davis
Report Date: 23 Oct 2023



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GRAPHS

