



CONSTRUCTION EQUIPMENT

VOLVO A45G 325973 (S/N 352973) - REAR AXLE



Sample No: VCP449869
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP449869	VCP445297	VCP435405	VCP427340
Sample Date	25 Jun 2024	07 Mar 2024	08 Nov 2023	24 Aug 2023
Machine Hours	4536	4034	3521	3044
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	268	51.8	52.0	51.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	3	4	4
Sodium	ppm	2	2	3	<1
Potassium	ppm	2	4	4	4

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	26	155	144	226
Copper	ppm	2	6	4	2
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	0
Chromium	ppm	0	1	2	3
Molybdenum	ppm	6	6	5	9
Nickel	ppm	0	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	2	11	11	13
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	234	176	162	133
Magnesium	ppm	34	0	<1	0
Zinc	ppm	138	73	75	65
Phosphorus	ppm	1157	2504	2331	2259
Barium	ppm	0	0	0	0
Boron	ppm	167	270	207	234

Depot: SAIBIR
Unique No: 11114018
Signed: Don Baldrige
Report Date: 10 Jul 2024



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VOLVO GRAPHS

