



CONSTRUCTION EQUIPMENT

SWO-06920 VOLVO A45G 352916 - FRONT AXLE



Sample No: VCP435596
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-06920



SAMPLE INFORMATION

Sample Number	VCP435596	VCP432937	VCP415953	VCP404632
Sample Date	26 Jan 2024	11 Oct 2023	25 Jul 2023	04 May 2023
Machine Hours	4034	3517	3005	2493
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	154	49.0	48.7	49.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	5	4	12	3
Sodium	ppm	0	3	2	2
Potassium	ppm	4	2	3	3

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	185	180	226	203
Copper	ppm	4	3	2	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	0	1	<1
Chromium	ppm	2	2	3	3
Molybdenum	ppm	5	5	7	8
Nickel	ppm	<1	0	<1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	10	10	10	10
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	141	126	137	120
Magnesium	ppm	2	15	<1	4
Zinc	ppm	66	50	62	53
Phosphorus	ppm	2319	2083	2476	2549
Barium	ppm	<1	0	0	0
Boron	ppm	183	167	219	215

Depot: SAIBIR
Unique No: 10858230
Signed: Jonathan Hester
Report Date: 02 Feb 2024



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GRAPHS

