



CONSTRUCTION EQUIPMENT

VOLVO A45G 342096 - DROP BOX



Sample No: VCP446719
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP446719	VCP438716	VCP435406	VCP411755
Sample Date	21 May 2024	02 Apr 2024	13 Nov 2023	22 Aug 2023
Machine Hours	10526	10079	9583	9107
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	297	291	288	287
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	8	11	7
Sodium	ppm	2	0	0	<1
Potassium	ppm	2	1	3	<1

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	158	108	60	41
Copper	ppm	3	0	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	<1	1	3
Chromium	ppm	3	<1	<1	<1
Molybdenum	ppm	8	5	5	4
Nickel	ppm	1	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	0	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	256	18	59	80
Magnesium	ppm	27	10	15	21
Zinc	ppm	141	28	32	44
Phosphorus	ppm	1079	1076	1038	1045
Barium	ppm	0	0	0	0
Boron	ppm	164	185	196	213

Depot: SAIBIR
Unique No: 11057928
Signed: Don Baldrige
Report Date: 01 Jun 2024



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VOLVO GRAPHS

