



CONSTRUCTION EQUIPMENT

VOLVO A45G 352916 - DROP BOX



Sample No: VCP450931
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

Sample Number	VCP450931	VCP443291	VCP435121	VCP405828
Sample Date	08 May 2024	26 Jan 2024	11 Oct 2023	05 Sep 2023
Machine Hours	4510	4034	3517	3285
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	223	111	109	107
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	13	11	10
Sodium	ppm	2	0	4	3
Potassium	ppm	2	2	0	<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	276	510	346	305
Copper	ppm	3	6	5	4
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	2	0	<1
Chromium	ppm	4	6	4	4
Molybdenum	ppm	12	5	4	3
Nickel	ppm	1	2	<1	1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	7	6	5
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	144	42	42	43
Magnesium	ppm	47	18	30	20
Zinc	ppm	130	90	67	74
Phosphorus	ppm	1058	1080	1080	1163
Barium	ppm	0	<1	0	0
Boron	ppm	101	87	70	74

Depot: SAIBIR
Unique No: 11036000
Signed: Sean Felton
Report Date: 22 May 2024



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GRAPHS

