



CONSTRUCTION EQUIPMENT

SWO-070856 VOLVO A45G 342096 - DROP BOX



Sample No: VCP438716
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-070856



SAMPLE INFORMATION

Sample Number	VCP438716	VCP435406	VCP411755	VCP404582
Sample Date	02 Apr 2024	13 Nov 2023	22 Aug 2023	08 May 2023
Machine Hours	10079	9583	9107	8608
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	291	288	287	287
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	11	7	6
Sodium	ppm	0	0	<1	<1
Potassium	ppm	1	3	<1	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	108	60	41	40
Copper	ppm	0	<1	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	1	3	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	5	5	4	4
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	18	59	80	60
Magnesium	ppm	10	15	21	18
Zinc	ppm	28	32	44	34
Phosphorus	ppm	1076	1038	1045	1052
Barium	ppm	0	0	0	0
Boron	ppm	185	196	213	167

Depot: SAIBIR
Unique No: 10965064
Signed: Don Baldrige
Report Date: 09 Apr 2024



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VOLVO GRAPHS

