



CONSTRUCTION EQUIPMENT

SWO-072401 - BOGIE/CENTER LEFT FINAL DRIVE



Sample No: VCP442196
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-072401



SAMPLE INFORMATION

Sample Number	VCP442196	VCP452424	VCP431020	VCP413254
Sample Date	31 May 2024	04 Mar 2024	03 Nov 2023	11 Jul 2023
Machine Hours	10125	9648	9145	8645
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	273	247	248	202
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	10	9	3
Sodium	ppm	0	2	<1	<1
Potassium	ppm	0	0	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	18	91	69	40
Copper	ppm	0	<1	0	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	1	<1	<1
Chromium	ppm	<1	2	1	<1
Molybdenum	ppm	7	6	4	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	1	1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	173	74	68	47
Magnesium	ppm	41	24	26	39
Zinc	ppm	121	61	61	82
Phosphorus	ppm	999	952	895	1326
Barium	ppm	0	0	0	0
Boron	ppm	204	171	158	194

Depot: SAIBIR
Unique No: 11071138
Signed: Jonathan Hester
Report Date: 12 Jun 2024



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VOLVO GRAPHS

