



CONSTRUCTION EQUIPMENT

SWO-072401 - BOGIE/CENTER RIGHT FINAL DRIVE



Sample No: VCP439785
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-072401



SAMPLE INFORMATION

Sample Number	VCP439785	VCP452428	VCP428904	VCP414281
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 Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	273	247	245	204
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	9	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	92	69	41
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	71	47
Magnesium	ppm	41	23	27	39
Zinc	ppm	121	61	62	84
Phosphorus	ppm	997	944	891	1358
Barium	ppm	0	0	0	0
Boron	ppm	202	171	157	196

Depot: SAIBIR
Unique No: 11071139
Signed: Jonathan Hester
Report Date: 12 Jun 2024



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VOLVO GRAPHS

