



CONSTRUCTION EQUIPMENT

SWO-069192 VOLVO A60H 340044 - DROP BOX



Sample No: VCP441615
Oil Type: GEAR OIL SAE 90W140
Job No: SWO-069192



SAMPLE INFORMATION

Sample Number	VCP441615	VCP411747	VCP410193	VCP392791
Sample Date	01 Feb 2024	04 Aug 2023	11 May 2023	21 Feb 2023
Machine Hours	9302	8791	8303	7835
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	306	304	307	243



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	5	4	5
Sodium	ppm	0	0	0	<1
Potassium	ppm	<1	1	<1	<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	125	67	48	108
Copper	ppm	4	3	2	8
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	<1	5
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	<1	2	2	4
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	44	44	56	99
Magnesium	ppm	29	27	25	33
Zinc	ppm	47	61	66	77
Phosphorus	ppm	865	1053	1002	931
Barium	ppm	5	2	0	<1
Boron	ppm	172	194	178	129

Depot: SAIBIR
Unique No: 10863749
Signed: Jonathan Hester
Report Date: 08 Feb 2024



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GRAPHS

