



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314981 - REAR LEFT FINAL DRIVE



Sample No: VCP438692
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP438692	VCP432203	VCP433862	VCP369500
Sample Date	15 Apr 2024	07 Feb 2024	23 Oct 2023	07 Aug 2023
Machine Hours	3400	2922	2416	1929
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	131	126	114	54.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	13	15	21
Sodium	ppm	<1	0	2	0
Potassium	ppm	0	1	<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	414	264	826	962
Copper	ppm	1	<1	3	2
Lead	ppm	0	<1	0	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	<1	1	1	4
Chromium	ppm	2	3	4	8
Molybdenum	ppm	2	3	1	3
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	2	2	4	6
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	62	51	47	38
Magnesium	ppm	20	21	32	18
Zinc	ppm	71	70	68	74
Phosphorus	ppm	993	926	896	802
Barium	ppm	0	0	0	2
Boron	ppm	72	57	47	42

Depot: SAIBIR
Unique No: 11004047
Signed: Jonathan Hester
Report Date: 01 May 2024



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GRAPHS

