



CONSTRUCTION EQUIPMENT

VOLVO EC480E 314146 - REAR RIGHT FINAL DRIVE



Sample No: VCP429281
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP429281	VCP419106	VCP424670	VCP371254
Sample Date	31 Jan 2024	28 Aug 2023	03 May 2023	17 Jan 2023
Machine Hours	6892	6421	5940	5434
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	157	225	130	135
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	8	11	15
Sodium	ppm	0	<1	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	90	71	92	74
Copper	ppm	<1	0	<1	<1
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	2	3	3
Chromium	ppm	2	1	1	1
Molybdenum	ppm	3	2	3	3
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	40	59	29	30
Magnesium	ppm	22	25	24	24
Zinc	ppm	65	66	87	84
Phosphorus	ppm	1015	998	941	876
Barium	ppm	0	0	0	<1
Boron	ppm	77	129	41	39

Depot: SAIBIR
Unique No: 10872535
Signed: Don Baldrige
Report Date: 12 Feb 2024



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VOLVO GRAPHS

