



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314981 - REAR LEFT FINAL DRIVE



Sample No: VCP433862
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP433862	VCP369500	VCP405901	VCP402280
Sample Date	23 Oct 2023	07 Aug 2023	07 Jun 2023	22 Mar 2023
Machine Hours	2416	1929	1475	982
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL

SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL
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OIL CONDITION

Visc @ 40°C	cSt	114	54.6	52.5	160
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CONTAMINATION

Silicon	ppm	15	21	13	17
Sodium	ppm	2	0	1	<1
Potassium	ppm	<1	2	<1	0



WEAR METALS

Iron	ppm	826	962	459	1135
Copper	ppm	3	2	0	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	1	4	3	6
Chromium	ppm	4	8	6	10
Molybdenum	ppm	1	3	3	1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	6	3	9
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	47	38	34	17
Magnesium	ppm	32	18	19	2
Zinc	ppm	68	74	62	0
Phosphorus	ppm	896	802	848	802
Barium	ppm	0	2	0	0
Boron	ppm	47	42	42	110

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.

Depot: SAIBIR
Unique No: 10723044
Signed: Don Baldrige
Report Date: 01 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

