



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314981 - RIGHT SWING DRIVE



Sample No: VCP369464
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP369464	VCP405908	VCP402275	VCP388373
Sample Date	07 Aug 2023	07 Jun 2023	22 Mar 2023	11 Jan 2023
Machine Hours	1929	1475	982	499
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	138	139	168	170
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CONTAMINATION

Silicon	ppm	20	9	23	21
Sodium	ppm	0	1	<1	2
Potassium	ppm	1	<1	0	<1



WEAR METALS

Iron	ppm	157	95	222	209
Copper	ppm	27	13	32	24
Lead	ppm	<1	<1	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	<1	3	2
Chromium	ppm	2	2	3	3
Molybdenum	ppm	4	2	<1	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	3	2	4	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	32	20	22	9
Magnesium	ppm	26	18	<1	<1
Zinc	ppm	108	55	9	23
Phosphorus	ppm	1139	836	367	388
Barium	ppm	4	0	0	0
Boron	ppm	41	28	1	0

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: 10607529
Signed: Sean Felton
Report Date: 18 Aug 2023



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GRAPHS

