



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 314981 - RIGHT SWING DRIVE



Sample No: VCP431758
Oil Type: GEAR OIL SAE 80W90
Job No:



SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
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SAMPLE INFORMATION

Sample Number	VCP431758	VCP433871	VCP369464	VCP405908
Sample Date	07 Feb 2024	23 Oct 2023	07 Aug 2023	07 Jun 2023
Machine Hours	2922	2416	1929	1475
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	133	134	138	139
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	7	7	20	9
Sodium	ppm	0	2	0	1
Potassium	ppm	<1	<1	1	<1



WEAR METALS

Iron	ppm	69	65	157	95
Copper	ppm	8	8	27	13
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	1	<1	2	<1
Chromium	ppm	2	<1	2	2
Molybdenum	ppm	3	<1	4	2
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	2	1	3	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	35	36	32	20
Magnesium	ppm	20	32	26	18
Zinc	ppm	82	67	108	55
Phosphorus	ppm	906	876	1139	836
Barium	ppm	0	0	4	0
Boron	ppm	50	50	41	28

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: 10883442
Signed: Don Baldrige
Report Date: 17 Feb 2024



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GRAPHS

