



CONSTRUCTION EQUIPMENT

A12681 VOLVO ECR235CL 110022 - SWING DRIVE



Sample No: VCP453769
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A12681



SAMPLE INFORMATION

Sample Number	VCP453769	VCP364150	VCP339373	VCP231179
Sample Date	16 May 2024	26 Aug 2022	07 Dec 2021	23 Jul 2018
Machine Hours	10505	9785	9125	6740
Oil Hours	500	1000	500	500
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	295	318	316	245.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	4	2	20	2
Sodium	ppm	<1	0	1	2
Potassium	ppm	<1	<1	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 oil viscosity is higher than normal. Confirm oil type.



WEAR METALS

Iron	ppm	48	14	40	20
Copper	ppm	25	7	<1	10
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	0	1	0
Aluminum	ppm	<1	2	3	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	2	<1	<1	4
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	45	37	48	121
Magnesium	ppm	7	4	2	20
Zinc	ppm	43	19	22	97
Phosphorus	ppm	609	486	899	766
Barium	ppm	0	0	0	0
Boron	ppm	42	58	181	45

Depot: JAAPHI
Unique No: 11049335
Signed: Don Baldrige
Report Date: 30 May 2024



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GRAPHS

