



CONSTRUCTION EQUIPMENT

X48306 VOLVO EC380EL 311913 - SWING DRIVE



Sample No: VCP454737
Oil Type: GEAR OIL SAE 75W80
Job No: X48306



SAMPLE INFORMATION

Sample Number	VCP454737	VCP454689	VCP439332	VCP340406
Sample Date	21 Jun 2024	08 May 2024	21 Mar 2024	23 Jun 2022
Machine Hours	5992	6192	6188	4252
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	N/A	N/A
Sample Status	ABNORMAL	NORMAL	SEVERE	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	85.2	165	159	141
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CONTAMINATION

Water	%	0.264	NEG	5.46	0.876
Silicon	ppm	6	22	24	17
Sodium	ppm	1	2	<1	0
Potassium	ppm	0	<1	2	<1



WEAR METALS

Iron	ppm	140	95	1190	957
Copper	ppm	10	20	67	57
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	2	0
Aluminum	ppm	<1	2	5	4
Chromium	ppm	2	2	10	7
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	2	3	8	6
Vanadium	ppm	0	<1	<1	0



ADDITIVES

Calcium	ppm	18	9	58	26
Magnesium	ppm	<1	<1	4	1
Zinc	ppm	17	32	86	67
Phosphorus	ppm	1308	303	966	919
Barium	ppm	0	4	0	0
Boron	ppm	84	1	25	30

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is unacceptable There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0129
Unique No: 11099822
Signed: Jonathan Hester
Report Date: 28 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

