



CONSTRUCTION EQUIPMENT

A10932 ALPHA VOLVO EC160E 314175 - SWING DRIVE



Sample No: VCP416350
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A10932 ALPHA



HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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SAMPLE INFORMATION

Sample Number	VCP416350	VCP399899	VCP365744	VCP364106
Sample Date	16 Aug 2023	02 Mar 2023	01 Dec 2022	22 Aug 2022
Machine Hours	5360	4350	3841	3317
Oil Hours	1000	1000	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	312	262	260	236
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CONTAMINATION

Silicon	ppm	6	11	12	13
Sodium	ppm	0	0	<1	0
Potassium	ppm	0	3	<1	2



WEAR METALS

Iron	ppm	64	238	240	141
Copper	ppm	2	12	12	14
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	2	2	2	1
Chromium	ppm	<1	2	3	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	3	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	14	26	71	25
Magnesium	ppm	<1	2	2	3
Zinc	ppm	9	29	43	28
Phosphorus	ppm	812	907	945	1137
Barium	ppm	0	0	0	3
Boron	ppm	24	104	123	166

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: VOLVO8879
Unique No: 10618285
Signed: Sean Felton
Report Date: 25 Aug 2023



CONSTRUCTION EQUIPMENT



GRAPHS

