



CONSTRUCTION EQUIPMENT

A12860 ALPHA VOLVO EC160E 314175 - SWING DRIVE



Sample No: VCP434205
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A12860 ALPHA



SAMPLE INFORMATION

Sample Number	VCP434205	VCP439302	VCP416350	VCP399899
Sample Date	20 Jun 2024	12 Jan 2024	16 Aug 2023	02 Mar 2023
Machine Hours	7660	6540	5360	4350
Oil Hours	1000	1000	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
 Contact: JIM FEHR
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OIL CONDITION

Visc @ 40°C	cSt	303	308	312	262
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	6	6	11
Sodium	ppm	1	<1	0	0
Potassium	ppm	1	2	0	3

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.



WEAR METALS

Iron	ppm	90	60	64	238
Copper	ppm	3	2	2	12
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	0	<1	2	2
Chromium	ppm	<1	0	<1	2
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	12	52	14	26
Magnesium	ppm	<1	2	<1	2
Zinc	ppm	17	18	9	29
Phosphorus	ppm	1070	1104	812	907
Barium	ppm	0	0	0	0
Boron	ppm	17	14	24	104

Depot: VOLVO8879
Unique No: 11102000
Signed: Don Baldrige
Report Date: 01 Jul 2024



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VOLVO GRAPHS

