



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY/500 HOUR CSA VOLVO EC160E 1805 (S/N 310187) - SWING DRIVE



Sample No: VCP412410
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

Sample Number	VCP412410	VCP05402681	VCP288589	VCP258217
Sample Date	21 Jul 2023	15 Nov 2021	15 Nov 2020	05 Oct 2019
Machine Hours	4937	3959	3029	2017
Oil Hours	0	1000	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	▲ 58.7	■ 324	■ 292	291
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CONTAMINATION

Silicon	ppm	■ 6	■ 11	■ 0	■ 3
Sodium	ppm	■ 2	■ <1	■ <1	■ <1
Potassium	ppm	■ <1	■ 0	■ <1	■ 8



WEAR METALS

Iron	ppm	■ 49	■ 141	■ 77	■ 42
Copper	ppm	■ 15	■ 4	■ 7	■ 5
Lead	ppm	■ 0	■ 0	■ <1	■ 2
Tin	ppm	■ 0	0	0	0
Aluminum	ppm	■ 2	2	0	<1
Chromium	ppm	■ <1	1	<1	<1
Molybdenum	ppm	3	<1	■ <1	<1
Nickel	ppm	■ <1	0	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	1	2	■ 1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	23	31	■ 10	10
Magnesium	ppm	4	3	■ 3	2
Zinc	ppm	71	21	■ 4	8
Phosphorus	ppm	2058	842	■ 872	824
Barium	ppm	0	0	■ 0	0
Boron	ppm	102	146	■ 166	130

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. The condition of the oil is acceptable for the time in service.

Depot: TRIBUR
Unique No: 10573596
Signed: Don Baldrige
Report Date: 27 Jul 2023



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GRAPHS

