



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 500HR CSA/LEMON SPRINGS, NC



VOLVO EC250E 1876 (S/N 310287) - SWING DRIV

Sample No: VCP414420

Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5

Job No:



SAMPLE INFORMATION

Sample Number	VCP414420	VCP383527	VCP378523	VCP0000861
Sample Date	18 Jul 2023	09 May 2023	08 Aug 2022	17 Mar 2022
Machine Hours	9538	8999	8508	7942
Oil Hours	0	0	0	7942
Oil Changed	Not Chngd	Not Chngd	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

G S MATERIALS INC

PO BOX 1335
BURLINGTON, NC
US 27216

Contact: KAREN NEWPORT
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OIL CONDITION

Visc @ 40°C	cSt	154	153	215	332
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CONTAMINATION

Silicon	ppm	3	2	4	4
Sodium	ppm	<1	0	1	2
Potassium	ppm	0	<1	2	0



WEAR METALS

Iron	ppm	114	59	93	105
Copper	ppm	2	<1	2	34
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	4	3	4
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	11
Manganese	ppm	<1	<1	<1	3
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	46	33	4	130
Magnesium	ppm	4	3	<1	0
Zinc	ppm	22	0	8	69
Phosphorus	ppm	1096	1033	883	973
Barium	ppm	0	0	0	0
Boron	ppm	193	184	176	201

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: GANBURN C
Unique No: 10566038
Signed: Don Baldrige
Report Date: 25 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

