



CONSTRUCTION EQUIPMENT

9463 VOLVO ECR145E 315030 - SWING DRIVE



Sample No: VCP413239
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 9463



SAMPLE INFORMATION

Sample Number	VCP413239	VCP405601	VCP359945	VCP336794
Sample Date	08 Jan 2024	23 Mar 2023	05 May 2022	20 Nov 2021
Machine Hours	2987	2010	997	514
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	298	280	283	178
-------------	-----	------------	-----	-----	-----

T: (407)215-0410
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	9	6	14
Sodium	ppm	0	<1	<1	0
Potassium	ppm	0	0	0	0

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	21	76	48	78
Copper	ppm	3	5	4	10
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	1	<1	0
Chromium	ppm	0	<1	<1	1
Molybdenum	ppm	2	3	3	<1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	71	42	68	72
Magnesium	ppm	18	15	14	0
Zinc	ppm	56	37	38	22
Phosphorus	ppm	969	871	829	324
Barium	ppm	0	0	0	4
Boron	ppm	164	149	145	7

Depot: JONLON
Unique No: 10832892
Signed: Wes Davis
Report Date: 17 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

