

## CONSTRUCTION EQUIPMENT 688511 VOLVO ECR145 310112 - SWING DRIVE



Sample No: VCP455115

**Oil Type:** GEAR OIL SAE 80W140

**Job No:** 688511

VOLVO	INFORMATION				
	INFURMATION		VCD220427	V(CD274002	V.CD2227.45
Sample Number		VCP455115	VCP320427	VCP274893	VCP223745
Sample Date		19 Mar 2024	25 Aug 2021	17 Apr 2020	17 Aug 2018
Machine Hours		6977	5286	4249	2411
Oil Hours		0	0	0	2411
Oil Changed		Changed	Changed	Changed	Not Changd
Sample Status		NORMAL	NORMAL	ATTENTION	ATTENTION
VOLVO					
OIL CON	DITION				
Visc @ 40°C	cSt	<b>238</b>	<b>275</b>	159	149.1
VISC @ 40 C	CSC			155	143.1
VOLVO					
CONTAN	IINATION				
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	<b>4</b>	<b>1</b> 3	<b>1</b> 0
Sodium	ppm	<b>□</b> 0	<b>1</b>	<b>4</b>	<b>4</b>
Potassium	ppm	<b>1</b>	<b>0</b>	<b>3</b>	■0
VOLVO	IETAL C				
WEAR M	IF I ALS				
Iron	ppm	■ 482	■85	■383	■403
Copper	ppm	<b>12</b>	<b>7</b>	<b>1</b> 9	■21
Lead	ppm	<b>1</b>	0	<b></b>	<b>1</b>
Tin	ppm	<b>■&lt;1</b>	0	0	0
Aluminum	ppm	■3	0	1	1
Chromium	ppm	<b>■</b> 4	<1	4	4
Molybdenum	ppm	<b>3</b>	2	<b>0</b>	<b>0</b>
Nickel	ppm	<b>■</b> <1	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<b>4</b>	1	<b>4</b>	<b>4</b>
Vanadium	ppm	<1	0	<1	0
ADDITIV	71				
Calcium	ppm	<b>■</b> 56	53	29	<b>2</b> 9
Magnesium	ppm	<b>■13</b>	12	8	<b>9</b>
Zinc	ppm	<b>101</b>	26	<b>47</b>	<b>42</b>
Phosphorus	ppm	<b>1114</b>	939	□ 1267	□1301
Barium	ppm	<b>2</b>	0	<b>2</b>	_2
Boron	ppm	<b>143</b>	137	■36	■35



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## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W140. Please confirm.

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: HUBORL
Unique No: 10942416
Signed: Wes Davis
Report Date: 26 Mar 2024

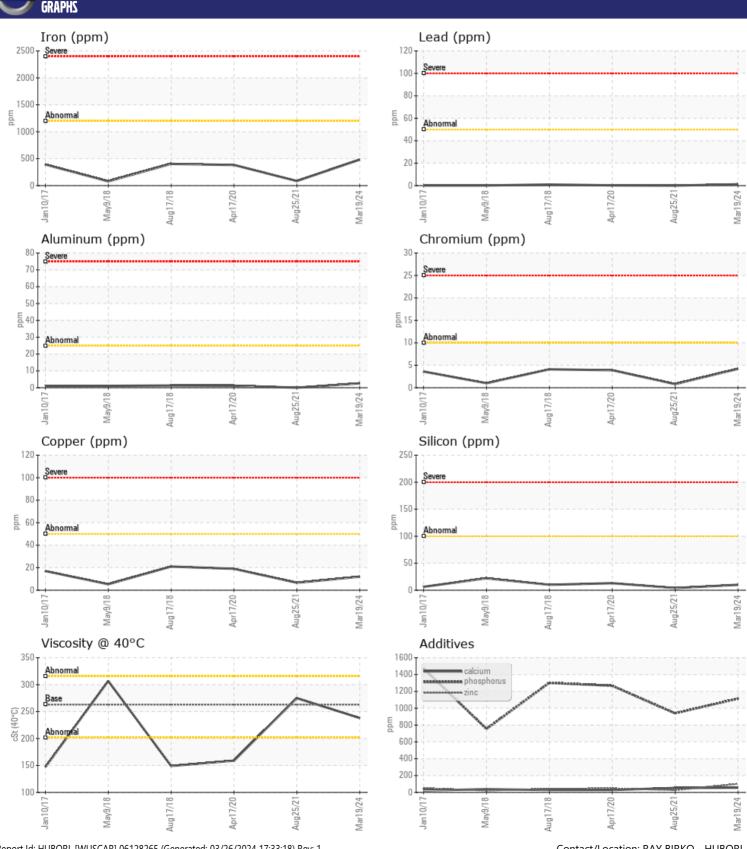
Contact/Location: RAY BIRKO - HUBORL



## **CONSTRUCTION EQUIPMENT**







Report Id: HUBORL [WUSCAR] 06128265 (Generated: 03/26/2024 17:33:18) Rev: 1

Contact/Location: RAY BIRKO - HUBORL