CONSTRUCTION EQUIPMENT 5809H0 VOLVO ECR355EL 310191 - REAR LEFT FINAL DRIVE

Sample No:	VCP452214
Oil Type:	VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:	5809HO

## SAMPLE INFORMATION

VOLV

	INFUNMATION				
Sample Number	-	VCP452214	VCP371557	VCP264933	
Sample Date		09 Feb 2024	16 Sep 2022	16 Jul 2020	
Machine Hours		3809	2172	496	
Oil Hours		2000	0	0	
Oil Changed		Changed	Changed	N/A	
Sample Status		SEVERE	SEVERE	NORMAL	
OIL CON					
				100	
Visc @ 40°C	cSt	🔲 199	260	182	
VOLVO					
	IINATION				
Water	%		3.47	0.175	
Silicon	ppm	<b>72</b>	65	12	
Sodium	ppm	0	0	<1	
Potassium	ppm	<b>14</b>	8	0	
WEAR M					
Iron	ppm	<b>▲</b> 992	A 888	225	
Copper	ppm	2	1	<b></b> <1	
Lead	ppm	0	<b></b> <1	0	
Tin	ppm	0	1	1	
Aluminum	ppm	26	25	<1	
Chromium	ppm	9 75	75	10	
Molybdenum	ppm	8	8	0	
Nickel	ppm	6	6	<1	
Titanium	ppm	2	2	<1	
Silver	ppm	0	1	<1	
Manganese	ppm	<b>1</b> 0	11	2	
Vanadium	ppm	0	<1	0	

VOLVO

ADDIT	IVES				
Calcium	ppm	2927	3400	339	
Magnesium	ppm	82	93	12	
Zinc	ppm	32	42	11	
Phosphorus	ppm	872	710	339	
Barium	ppm	0	<b></b> <1	3	
Boron	ppm	<b>79</b>	41	2	



PENNSYLVANIA SUPPLY

833 PAXTON STREET HARRISBURG, PA US 17104 Contact: KEVIN TAYLOR KTAYLOR@OLDCASTLEMATERIALS.COM T: (717)236-7040 F: (717)238-5831

## Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:PENHARUnique No:10885426Signed:Don BaldridgeReport Date:20 Feb 2024

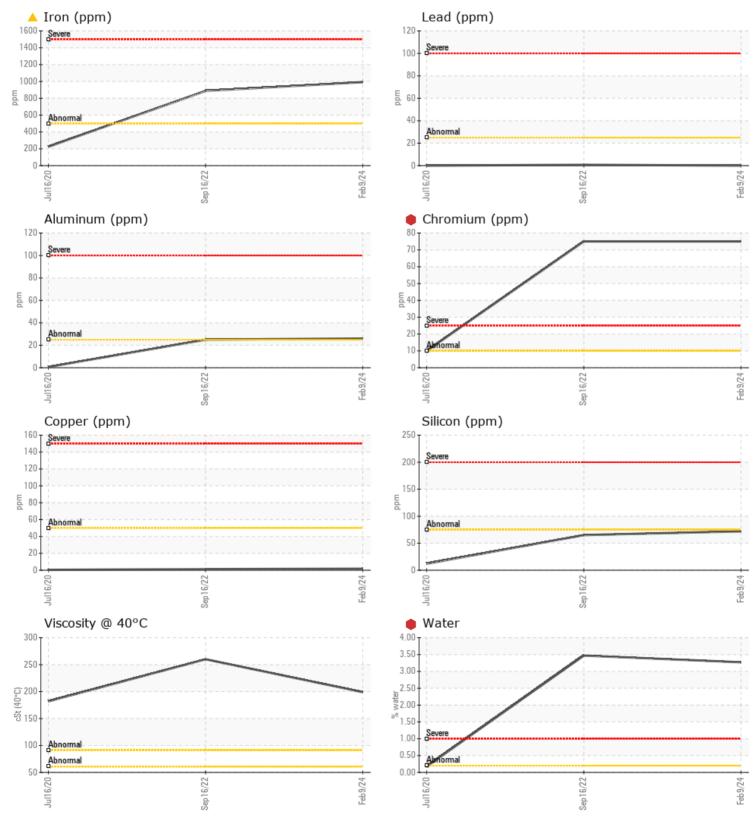
Contact/Location: KEVIN TAYLOR - PENHAR

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: PENHAR [WUSCAR] 06092573 (Generated: 02/20/2024 22:59:21) Rev: 1

Contact/Location: KEVIN TAYLOR - PENHAR