CONSTRUCTION EQUIPMENT 5809H0 VOLVO ECR355EL 310191 - REAR RIGHT FINAL DRIV

Sample No:	VCP452213
Oil Type:	VOLVO SUPER GEAR OIL 75W-80-GO102
Job No:	5809HO

SAMPLE INFORMATION

VOLV

Sample Number		VCP452213	VCP293494	VCP263948	
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					
					- · ·
Visc @ 40°C	cSt	188	243	180	
VOLVO					
CONTAM	IINATION				
Water	%	1.66	▲ 0.644	NEG	
Silicon	ppm	60	36	15	
Sodium	ppm	0	0	1	
Potassium	ppm	12	4	0	
WEAR M	ETAIC				
Iron	ppm	▲ 862	▲ 666	232	
Copper	ppm	2	 <1	 <1	
Lead	ppm	0	 < 1	0	
Tin	ppm	0	 <1	2	
Aluminum	ppm	20	12	1	
Chromium	ppm	64	52	9	
Molybdenum	ppm	7	6	0	
Nickel	ppm	5	4	<1	
Titanium	ppm	2	<1	<1	
Silver	ppm	0	0	<1	
Manganese	ppm	8	8	2	
Vanadium	ppm	0	0	0	

VOLVO

Calcium	ppm	2049	1644	301			
Magnesium	ppm	61	54	13			
Zinc	ppm	41	44	16			
Phosphorus	ppm	927	737	362			
Barium	ppm	0	0	4			
Boron	ppm	80	60	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:	PENHAR
Unique No:	10885425
Signed:	Don Baldridge
Report Date:	20 Feb 2024

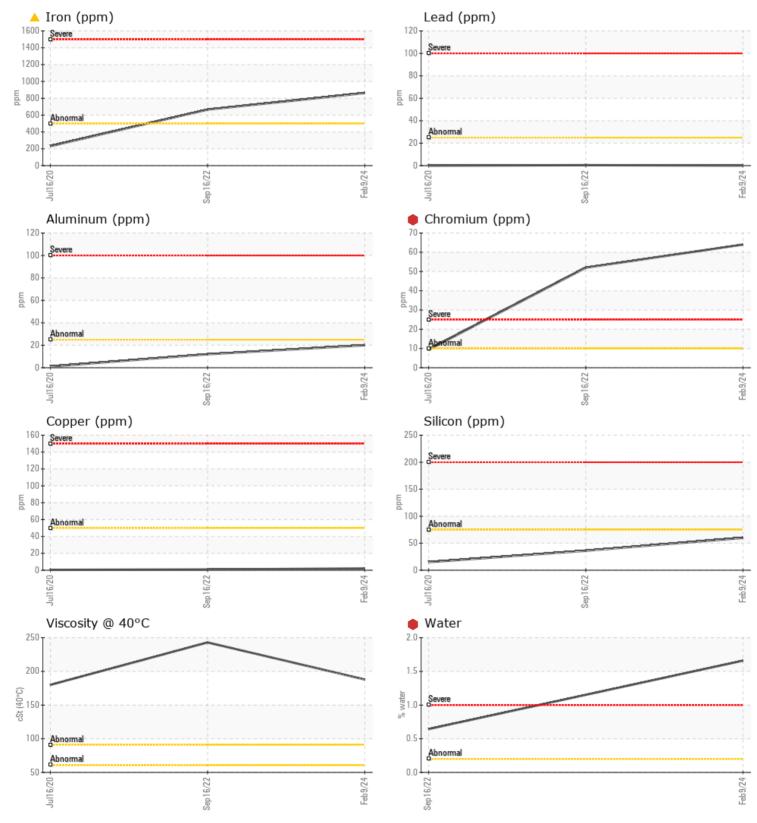
Contact/Location: KEVIN TAYLOR - PENHAR

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: PENHAR [WUSCAR] 06092572 (Generated: 02/20/2024 22:59:30) Rev: 1

Contact/Location: KEVIN TAYLOR - PENHAR