CONSTRUCTION EQUIPMENT SW1027501 VOLVO ECR145E 311495 - REAR RIGHT FINAL DRIV

Sample No:	VCP435881
Oil Type:	GEAR OIL SAE 80W90
Job No:	SW1027501

SAMPLE INFORMATION

VOLVO

Sample Sample	INFURMATION			
Sample Number		VCP435881	VCP248838	
Sample Date		07 Dec 2023	23 May 2019	
Machine Hours		2111	440	
Oil Hours		0	440	
Oil Changed		Changed	Not Changd	
Sample Status		ABNORMAL	NORMAL	
OIL CONE	DITION			
Visc @ 40°C	cSt	135	140	
VOLVO				
CONTAM	INATION			
Water	%	NEG	NEG	
Silicon	ppm	🔺 151	13	
Sodium	ppm	6	4	
Potassium	ppm	7	8	
WEAR M	ETALS			
Iron	ppm	A 726	221	
Copper	ppm	2	1	
Lead	ppm	0	 < 1	
Tin	ppm	0	0	
Aluminum	ppm	<u> </u>	2	
Chromium	ppm	🔺 11	5	
Molybdenum	ppm	 <1	0	
Nickel	ppm	1	<1	
Titanium	ppm	1	<1	
Silver	ppm	0	<1	
Manganese	ppm	9	6	
Vanadium	ppm	<1	0	

Calcium ppm 97

Magnesium	ppm	■14	1	
Zinc	ppm	31	32	
Phosphorus	ppm	919	534	
Barium	ppm	0	2	
Boron	ppm	125	4	

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ARNOLD MACHINERY COMPANY

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Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.Gear wear is indicated. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

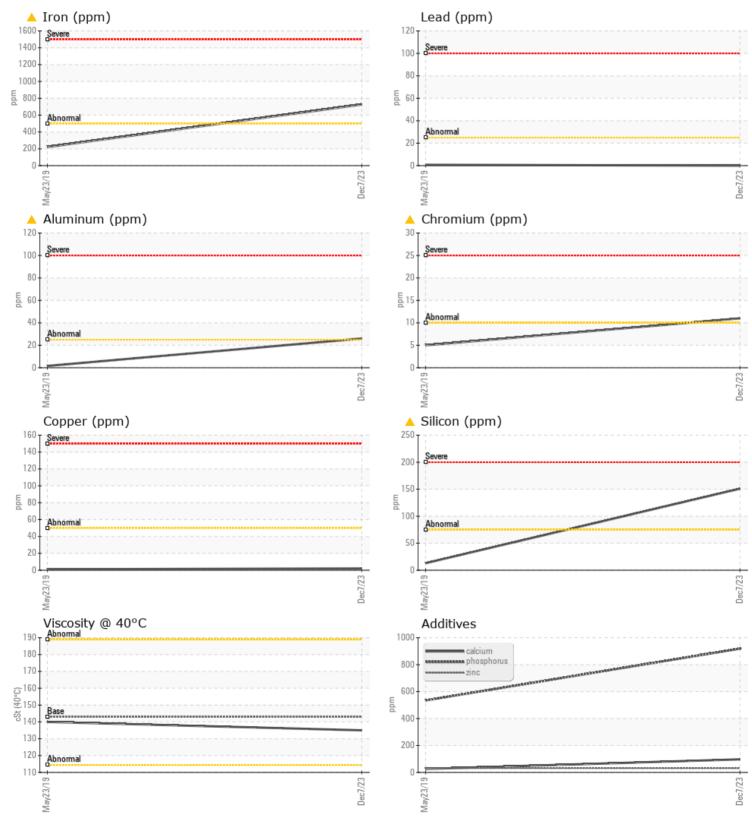
Depot:	VOLVO8770
Unique No:	10791588
Signed:	Don Baldridge
Report Date:	19 Dec 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO8770 [WUSCAR] 06036359 (Generated: 12/19/2023 15:28:05) Rev: 1

Contact/Location: TJ LARK - VOLVO8770