CONSTRUCTION EQUIPMENT SW1029638-7 VOLVO EC220EL 314016 - REAR LEFT FINAL DRIV

Sample No:	VCP440149	
Oil Type:	GEAR OIL SAE 80W90	
Job No:	SW1029638-7	

VOLVO

SAMPLE INFORMATION VCP440149 Sample Number Sample Date 05 Feb 2024 Machine Hours 3247 Oil Hours 0 Oil Changed Changed SEVERE Sample Status **OIL CONDITION** Visc @ 40°C cSt 260 CONTAMINATION

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Water	%	0.364	 	
Silicon	ppm	• 4102	 	
Sodium	ppm	195	 	
Potassium	ppm	269	 	
WEAR M	IETALS			
Iron	ppm	e 8152	 	
Copper	ppm	1 3	 	
Lead	ppm	1	 	
Tin	ppm	2	 	
Aluminum	ppm	1016	 	
Chromium	ppm	6 53	 	
Molybdenum	ppm	4	 	
Nickel	ppm	14	 	
Titanium	ppm	53	 	
Silver	ppm	0	 	
Manganese	ppm	60	 	
Vanadium	ppm	2	 	

 ADDITIVES

 Calcium
 ppm
 593
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 Magnesium
 ppm
 160
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Zinc	ppm	36	 	
Phosphorus	ppm	823	 	
Barium	ppm	12	 	
Boron	ppm	112	 	



ARNOLD MACHINERY COMPANY

2975 WEST 2100 SOUTH SALT LAKE CITY, UT US 84119 Contact: TJ LARK tlark@arnoldmachinery.com T: (801)972-4000 F: (801)975-9434

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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

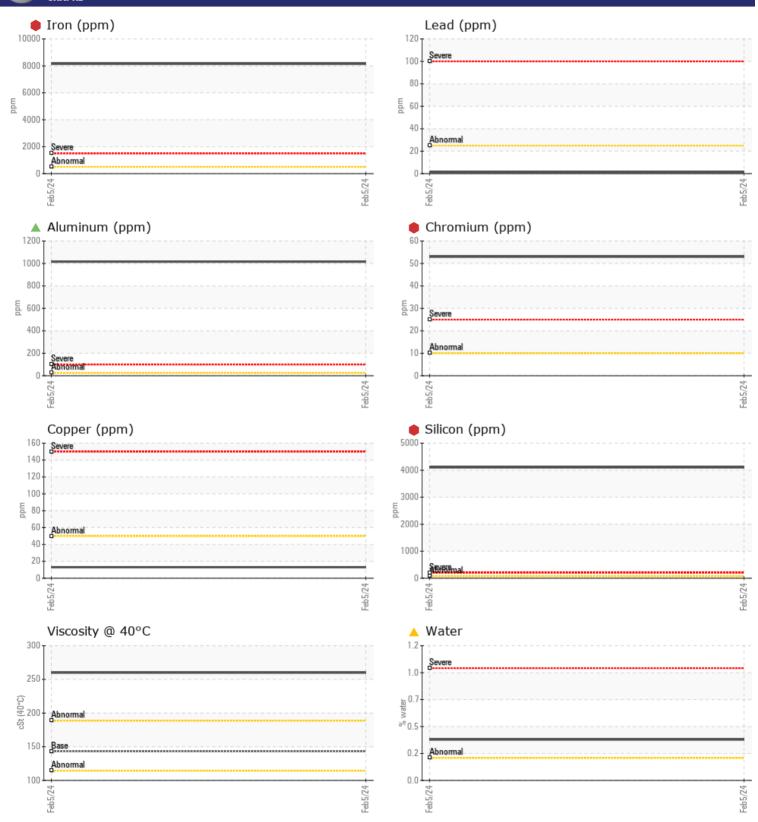
Depot:	VOLVO8770
Unique No:	10873849
Signed:	Don Baldridge
Report Date:	13 Feb 2024

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Contact/Location: TJ LARK - VOLVO8770