CONSTRUCTION EQUIPMENT VOLVO EC220E 310188 - FRONT LEFT FINAL DRIVE 238406

Sample No:	VCP260788
0.1 2	

JOLV

Oil Type:	VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:	238406

VOLVO				
	INFORMATION			
Sample Number		VCP260788	 	
Sample Date		30 Mar 2020	 	
Machine Hours		4011	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL COND	ITION			
Visc @ 40°C	cSt	A 326	 	
CONTAM	INATION			
Silicon	ppm	A 1314	 	
Sodium	ppm	31	 	
Potassium	ppm	69	 	
WEAR M	ETAIS			
		·	 <u>.</u>	
PQ		1071	 	
Iron	ppm	2149	 	
Copper	ppm	6	 	
Lead	ppm	4	 	
Tin	ppm	0	 	
Aluminum	ppm	<u> </u>	 	
Chromium	ppm	29	 	
Molybdenum	ppm	3	 	
Nickel	ppm	2	 	
Titanium	ppm	🔺 17	 	
Silver	ppm	<1	 	
Manganese	ppm	51	 	
Vanadium	ppm	<1	 	

Vanadium

ADDITI	VES			
Calcium	ppm	702	 	
Magnesium	ppm	138	 	
Zinc	ppm	52	 	
Phosphorus	ppm	987	 	
Barium	ppm	3	 	
Boron	ppm	141	 	



STRONGCO EQUIPMENT--CALGARY

7923 54TH STREET SE CALGARY, AB CA T2C 4R7 Contact: Tracey Lewin tlewin@strongco.com T: (403)216-1010 F: (403)216-1016

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. Confirm the source of the lubricant being utilized for topup/fill. We recommend an early resample to monitor this condition.Aluminum ppm levels are noted. Titanium ppm levels are marginal. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Viscosity of sample indicates oil is within SAE 90W140 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO3909 Unique No: 5031160 Signed: Kevin Marson Report Date: 08 Apr 2020

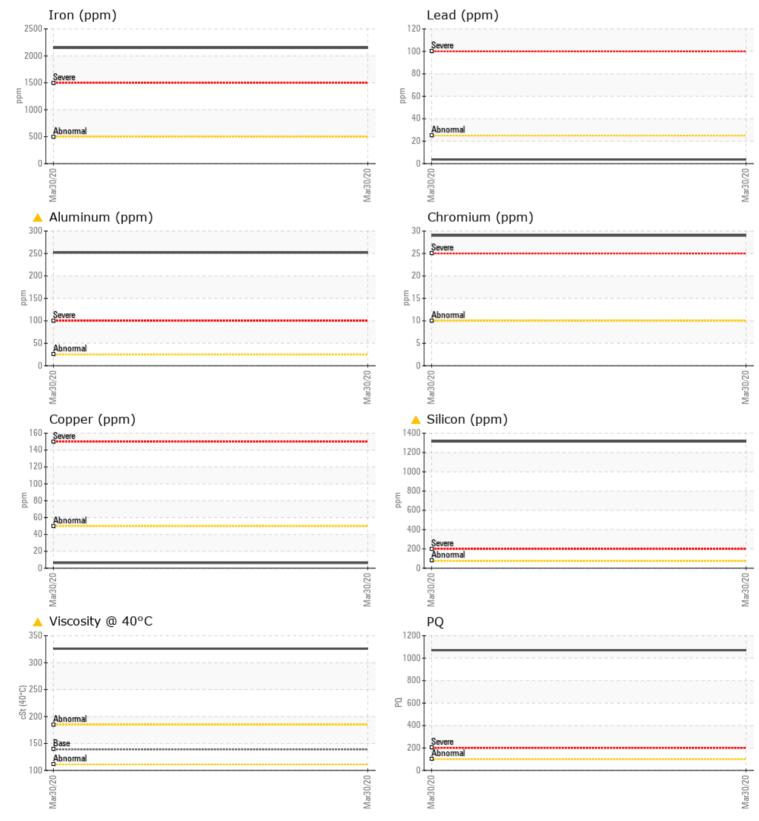
Contact/Location: Tracey Lewin - VOLVO3909

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO3909 [WCAMIS] 02347731 (Generated: 09/28/2023 09:20:47) Rev: 1

Contact/Location: Tracey Lewin - VOLVO3909