

CONSTRUCTION EQUIPMENT FLYWAY VOLVO EC220EL 310218 - SWING DRIVE



Sample No: VCP415395

Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5

Job No: FLYWAY

VOLVO CAMDIE	INFORMATION				
	INFUNMATION				
Sample Number		VCP415395	VCP331567	VCP292918	
Sample Date		17 Nov 2023	24 Nov 2021	02 Nov 2020	
Machine Hours		0	3927	2888	
Oil Hours		0	1000	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		ATTENTION	NORMAL	ABNORMAL	
VOLVO					
OIL CONI	DITION				
Visc @ 40°C	cSt	▲ 59.2	269	104	
			_		
VOLVO	INATION				
LUNIAM	INATION				
Water	%	NEG	NEG	△ 0.501	
Silicon	ppm	■8	7	7	
Sodium	ppm	■ 0	0	0	
Potassium	ppm	2	0	- <1	
WEAR M	IFTAI S				
		=444			
Iron	ppm	□ 144	1 76	■333	
Copper	ppm	□ 7	4	1 3	
Lead	ppm	0	0	_1	
Tin	ppm	■ 0	0	<1	
Aluminum	ppm	1	0	<1	
Chromium	ppm	□ <1	1	6	
Molybdenum	ppm		_2	- <1	
Nickel	ppm	■0	0	<1	
Titanium	ppm	<1	<1	<1	
Silver	ppm	0	0	8	
Manganese	ppm	■ <1	- <1	5	
Vanadium	ppm	0	0	<1	
VOLVO					
ADDITIV	ES				
Calcium	ppm	□34	1 01	1 2	
Magnesium	ppm	■11	26	5	
Zinc	ppm	▲ 12	■ 52	20	
Phosphorus	ppm	<u>△</u> 2137	1017	■ 1359	
Barium	ppm	<u> </u>	0	1333	
Boron	ppm	<u> </u>	170	251	
DOTOTI	ppiii	200	170	<u> </u>	



HIGHWAY EQUIPMENT AND SUPPLY CO 200 BURKHOLDER DR. EPHRATA, PA US 17522 Contact: CHAD HERRON chad@hwyequip.com T: (717)859-3132 F: (717)859-2698

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

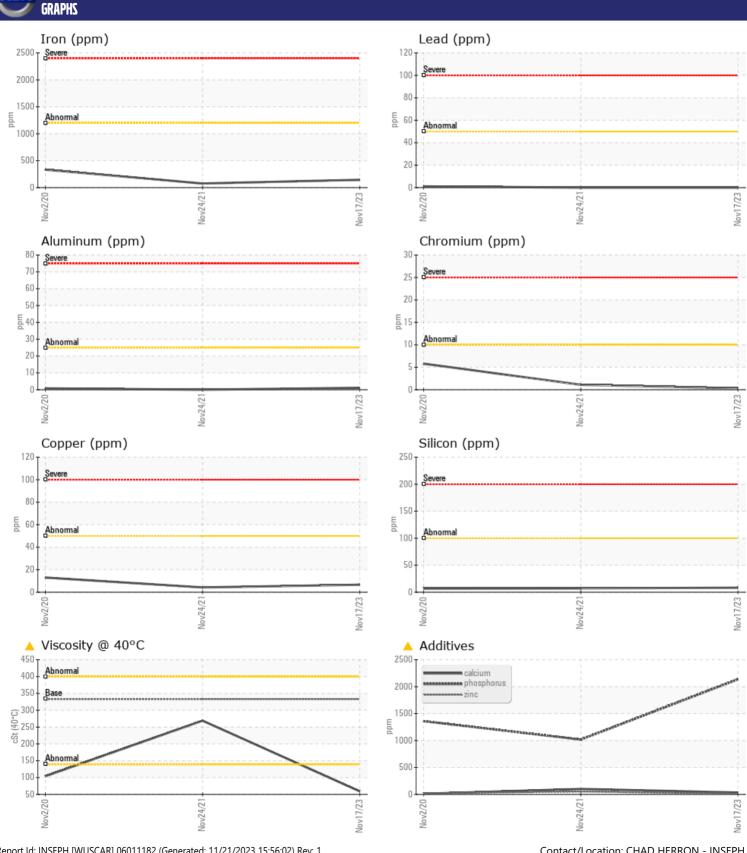
Depot: INSEPH
Unique No: 10750326
Signed: Jonathan Hester
Report Date: 21 Nov 2023



CONSTRUCTION EQUIPMENT







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Contact/Location: CHAD HERRON - INSEPH