

CONSTRUCTION EQUIPMENT

8-393399 VOLVO EC220E 310830 - REAR RIGHT FINAL DRIVE

Sample No: VCP449360

Oil Type: GEAR OIL SAE 80W90

Job No: 8-393399

VOLVO					
SAMPLE	EINFORMATION				
Sample Number		VCP449360	VCP352183	VCP252116	
Sample Date		02 Feb 2024	10 Jun 2022	24 Apr 2020	
Machine Hours		6000	3980	2002	
Oil Hours		2000	0	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		ABNORMAL	NORMAL	NORMAL	
VOLVO	DITION				
OIL CON					
Visc @ 40°C	cSt	△ 54.9	■219	147	
VOLVO					
CONTAI	MINATION				
Water	%	NEG	NEG	NEG	
Silicon	ppm	■499	■607	■139	
Sodium	ppm	■37	3 2	111	
Potassium	ppm	■36	37	1 1	
Totassiaiii	ррш				
VOLVO					
WEAR N	AF LATZ				
PQ		1165	1213	■208	
Iron	ppm	2553	□1135	■ 517	
Copper	ppm	5	2	1	
Lead	ppm	■<1	- <1	< 1	
Tin	ppm	■0	■ 0	0	
Aluminum	ppm	■80	■96	■ 27	
Chromium	ppm	1 5	9	6	
Molybdenum	ppm	■ <1	- <1	< 1	
Nickel	ppm	■ 6	5	5	
Titanium	ppm	5	7	2	
Silver	ppm	0	0	0	
Manganese	ppm	18	1 0	6	
Vanadium	ppm	0	<1	<1	
VOLVO					
ADDITIV	VES				
Calcium		391	484	<u> </u>	
Magnesium	ppm	83	105	27	
Zinc	ppm	■ 32	6	1 6	
Phosphorus	ppm	2235	414	937	
Barium	ppm	■ 0	= <1	= 33 <i>1</i>	
Boron	ppm	■189	9	103	
201011	PPIII				



STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD MISSISSAUGA, ON CA L4W 4L4 Contact: Janice Cripps jcripps@strongco.com T: (905)565-3876 F: (905)670-2338

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot:SHEMISUnique No:5724223Signed:Kevin MarsonReport Date:14 Feb 2024



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