

CONSTRUCTION EQUIPMENT 1202 SIMS SENNEBOGEN 835 835.0.2356 - REAR AXLE

Sample No: VCP442134 Oil Type: **MOBIL 75W90** Job No: 1202 SIMS

SAMPLE INFORMATION							
Sample Number VCP442134 VCP381083 Sample Date 28 Oct 2023 17 Dec 2022 Machine Hours 10201 8559 Oil Hours 0 0 Oil Changed Changed Sample Status NORMAL ABNORMAL Visc @ 40°C cSt 123 108 CONTAMINATION Silicon ppm 0 0 Sodium ppm 0 0 VOLVO VEAR METALS WEAR METALS Iron ppm 14 28 VOLVO 58 Lead ppm 0 0 Tin ppm 0 0	SAMPLE II	NFORMATION					
Sample Date 28 Oct 2023 17 Dec 2022		_	VCP442134	VCP381083			
Machine Hours 10201 8559 Oil Hours 0 0 Oil Changed Changed Sample Status NORMAL ABNORMAL CONTAMINATION Visc @ 40°C cSt 123 108 Sodium ppm 0 0 Sodium ppm 0 0 Vervo WEAR METALS Iron ppm 14 28 Copper ppm 0 0 Lead ppm 0 0 Tin ppm 0 0 Aluminum ppm 0 0 Molybdenum ppm 0 0 Mickel ppm			28 Oct 2023	17 Dec 2022			
Oil Changed Changed Changed Sample Status NORMAL ABNORMAL Volvo Oil CONDITION Visc @ 40°C cSt 123 108 CONTAMINATION Silicon ppm 0 0 Sodium ppm 0 0 Verar METALS Iron ppm 14 28 Copper ppm 0 58 Lead ppm 0 0 Tin ppm 0 0 Aluminum ppm 0 0 Molybdenum ppm 0 0 Mickel ppm 0 0 Silver ppm 0	•						
Sample Status	Oil Hours		0	0			
Visc @ 40°C cSt 123 108 CONTAMINATION Silicon ppm 2 4 Sodium ppm 0 Votvo WEAR METALS Iron ppm 14 28 Copper ppm 20 > 58 Copper ppm 0 Lead ppm 0 Tin ppm 0 Tin ppm 0 Copper	Oil Changed		Changed	Changed			
Visc @ 40°C cSt 123 108 CONTAMINATION Silicon ppm 2 4 Sodium ppm 0 Votvo WEAR METALS Iron ppm 14 28 Copper ppm 20 > 58 Copper ppm 0 Lead ppm 0 Tin ppm 0 Tin ppm 0 Copper			_				
OIL CONDITION Visc @ 40°C cSt 123 108 CONTAMINATION Silicon ppm 2 4 Sodium ppm 0 0 Potassium ppm 0 WEAR METALS Iron ppm 14 28 Copper ppm 0 58 Lead ppm 0 0 Tin ppm 0 0 Aluminum ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0							
CONTAMINATION Silicon ppm 2 4 Sodium ppm 0 0 Potassium ppm <1	OIL CONDITION						
CONTAMINATION Silicon ppm 2 4 Sodium ppm 0 0 Potassium ppm <1	Visc @ 40°C	cSt	123	□108			
CONTAMINATION Silicon ppm 2 4 Sodium ppm 0 0 Potassium ppm <1							
Silicon ppm 2 4 Sodium ppm 0 Potassium ppm <1	VOLVO	VATION					
Sodium	LUNTAMII	NATIUN		_			
Potassium ppm ■ <1		ppm					
WEAR METALS Iron ppm 14 28 Copper ppm 20 58 Lead ppm 0 0 Tin ppm 0 0 Aluminum ppm 0 0 Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Manganese ppm	Sodium	ppm	■ 0	□0			
WEAR METALS Iron ppm 14 28 Copper ppm 20 58 Lead ppm 0 0 Tin ppm 0 0 Aluminum ppm 0 0 Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm <1	Potassium	ppm	■ <1	<1			
WEAR METALS Iron ppm 14 28 Copper ppm 20 58 Lead ppm 0 0 Tin ppm 0 0 Aluminum ppm 0 0 Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm <1	WOLVO						
Copper ppm ■20 ▲ 58 Lead ppm ■0 Tin ppm ■0 Aluminum ppm ■0 Chromium ppm ■0 Molybdenum ppm ■0 Nickel ppm ■0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm ■ <1	WEAR METALS						
Lead ppm 0 Tin ppm 0 Aluminum ppm 0 Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm <1	Iron	ppm	_				
Tin ppm 0 Aluminum ppm 0 0 Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm <1 <1	Copper	ppm	■20	▲ 58			
Aluminum ppm 0 Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm <1	Lead	ppm	■0	□0			
Chromium ppm 0 0 Molybdenum ppm 0 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm <1	Tin	ppm	_	0			
Molybdenum ppm 0 Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm <1	Aluminum	ppm	■0	□0			
Nickel ppm 0 0 Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm <1 <1		ppm	_	_			
Titanium ppm 0 0 Silver ppm 0 0 Manganese ppm ■ <1		ppm					
Silver ppm 0 0 Manganese ppm ■ <1		ppm	_				
Manganese ppm		ppm					
		ppm	-				
Vanadium ppm 0		ppm	_				
	Vanadium	ppm	0	0			
VOLVO	VOLVO						
ADDITION	ADDITIVE	2					
Calcium ppm 31 28	Calcium	ppm	31	■28			
Magnesium ppm 8 1	Magnesium	ppm	8	1			
Zinc ppm 51 34	Zinc	ppm	■ 51	■34			
Phosphorus ppm 904 1384	Phosphorus	ppm	904	■1384			
Barium ppm ■2 □0	Barium	ppm	■ 2	□ 0			
Boron ppm 161 305	Davas		-161	- 205			



VCES- VOLVO CONSTRUCTION EQUIPMENT 8594 FRUITRIDGE ROAD SACRAMENTO, CA US 95826 Contact: RAY KRANZUSCH ray.kranzusch@vcesvolvo.com T:

F:

Diagnosis

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 condition of the oil is acceptable for the time in service.

Depot: VOLVO4485 **Unique No:** 10736959 Signed: Wes Davis Report Date: 10 Nov 2023



CONSTRUCTION EQUIPMENT





