

CONSTRUCTION EQUIPMENT 19244 VOLVO EC140 315556 - HYDRAULIC SYSTEM



Sample No: VCP412247

Oil Type: VOLVO SUPER HYDRAULIC OIL 46

Job No: 19244

VOLVO	LINEODMATION			
SAMPLE	INFORMATION			
Sample Number		VCP412247	VCP381106	
Sample Date		23 Jul 2023	24 Feb 2023	
Machine Hours		2129	651	
Oil Hours		2129	0	
Oil Changed		Changed	N/A	
Sample Status		ABNORMAL	ABNORMAL	
OIL CON	DITION			
Visc @ 40°C	cSt	▲ 33.5	42.0	
Acid Number (AN		■ 0.41	0.51	
Acid Number (Ai	ing Konyg	 0.71	0.51	
VOLVO				
CONTAN	MINATION			
Particles >4µm	-	33159	5450	
Particles >6µm		13626	1652	
Particles >14µm		1377	<u>^</u> 221	
ISO 4406:1999 (c)	22/21/18	20/18/15	
Silicon	ppm	■3	3	
Sodium	ppm	■0	2	
Potassium	ppm	1	0	
WEAR	AFTAI C			
_		_	_	
Iron	ppm	2	0	
Copper	ppm	6	3	
Lead	ppm	- <1	0	
Tin	ppm	0	0	
Aluminum	ppm	■0	0	
Chromium	ppm	■<1	0	
Molybdenum	ppm	1 <1	0	
Nickel	ppm	■ <1	0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	0	0	
Vanadium	ppm	0	0	
VOLVO				
ADDITIN	/ES			
Calcium	ppm	65	■85	
Magnesium	ppm	1	0	
Zinc	ppm	483	□ 539	
Phosphorus	ppm	■ 363	405	
Barium	ppm	□0	0	
24.14111	77'''			



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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Depot:HILGREVCUnique No:10587192Signed:Don BaldridgeReport Date:05 Aug 2023

ppm

Boron



CONSTRUCTION EQUIPMENT





GRAPHS

