

CONSTRUCTION EQUIPMENT

SW1019028 PERKINS VOLVO EC550E 310081 - DIESEL ENGINE

Sample No: VCP406914

Oil Type: DIESEL ENGINE OIL SAE 15W40

Job No: SW1019028 PERKINS

VOLVO	VEODMATION.				
	FORMATION				
Sample Number		VCP406914			
Sample Date		19 May 2023			
Machine Hours		560			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
OIL CONDITION					
Visc @ 100°C	cSt	<u></u> ▲ 10.8			
Base Number (BN)		■5.2			
Oxidation (PA)	%	67			
Oxidation (1 A)	70	O1			
VOLVO					
CONTAMIN	NATION				
Soot %	%	■ 0.3			
Nitration (PA)	%	81			
Sulfation (PA)	%	60			
Glycol	%	NEG			
Fuel	%	■ 0.8			
Silicon	ppm	29			
Sodium	ppm	2			
Potassium	ppm	5			
WEAR ME	TALC				
_	IMT2				
Iron	ppm	1 3			
Copper	ppm	<u> </u>			
Lead	ppm	1			
Tin	ppm	■ 3			
Aluminum	ppm	■ 2			
Chromium	ppm	■ <1			
Molybdenum	ppm	■88			
Nickel	ppm	2			
Titanium	ppm	■0			
Silver	ppm	■ 0			
Manganese	ppm	■ 3			
Vanadium	ppm	0			
ADDITIVES					
Calcium		2152			
Magnesium	ppm	110			
Zinc	ppm	■1177			
	ppm				
Phosphorus	ppm	978			



ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T:

F: (602)414-1904

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:VOLVO6174Unique No:10493433Signed:Jonathan HesterReport Date:01 Jun 2023

ppm

ppm

0

Barium

Boron



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