

CONSTRUCTION EQUIPMENT

SW1026784-1 TERRA FI VOLVO L180H 5574 - DIESEL ENGINE

Sample No: VCP397962
Oil Type: VOLVO 15W30

Job No: SW1026784-1 TERRA FI

SAMPLE II	NFORMATION			
Sample Number		VCP397962	VCP353749	
Sample Date		16 Nov 2023	19 Dec 2022	
Machine Hours		3029	1141	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
Sample Status		ADITORIVIAL	ADNONVIAL	
VOLVO				
OIL CONDI	TION			
Visc @ 100°C	cSt	13.2	12.7	
Base Number (BN)	mg KOH/g	5.6	■6.8	
Oxidation (PA)	%	75	57	
CONTAMI	NATION			
CONTAMIN				
Water	%	NEG	NEG	
Soot %	%	0.5	■ 0.3	
Nitration (PA)	%	78	73	
Sulfation (PA)	%	63	54	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	10	7	
Sodium	ppm	4	- <1	
Potassium	ppm	■<1	2	
WEAR ME	TAIC			
_				
lron -	ppm	18	12	
Copper	ppm	<u>^</u> 27	4 0	
Lead 	ppm	2	2	
Tin	ppm	2	2	
Aluminum	ppm	■ <1	1	
Chromium	ppm	■<1	- <1	
Molybdenum	ppm	■ 56	5 5	
Nickel	ppm	4	- <1	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	<1	- <1	
Vanadium	ppm	0	0	

1616

788

1353

1028

0

15



ARNOLD MACHINERY COMPANY

4136 NORTH DONOVAN WAY LAS VEGAS, NV US 89030 Contact: TONY SHAW tshaw@arnoldmachinery.com T: (702)642-9000 F:

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. The copper level has decreased, but is still abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Depot:VOLVO5856Unique No:10762487Signed:Don BaldridgeReport Date:29 Nov 2023

1339

■808

1286

878

0

5

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



CONSTRUCTION EQUIPMENT





