

CONSTRUCTION EQUIPMENT

D12790 PAYNE & DOLAN VOLVO L220H 3471 - DIESEL ENGINE

Sample No: VCP418995

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: D12790 PAYNE & DOLAN

Sample Number		VCP418995	 	
Sample Date		14 Sep 2023	 	
Machine Hours		439	 	
Oil Hours		439	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CONDI	TION			
Visc @ 100°C	cSt	<u></u> 11.6	 	
Base Number (BN)		6.5	 	
Oxidation (PA)	%	67	 	
VOLVO	IATION			
CONTAMIN				
Soot %	%	■0	 	
Nitration (PA)	%	88	 	
Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	■ 0.5	 	
Silicon	ppm	■27	 	
Sodium	ppm	■4	 	
Potassium	ppm	■ 5	 	
VOLVO				
WEAR ME	TALS			
Iron	ppm	1 4	 	
Copper	ppm	<u>^</u> 245	 	
Lead	ppm	1	 	
Tin	ppm	2	 	
Aluminum	ppm	■3	 	
Chromium	ppm	■ <1	 	
Molybdenum	ppm	93	 	
Nickel	ppm	<u> </u>	 	
Titanium	ppm	0	 	
Silver	ppm	■ 0	 	
Manganese	ppm	3	 	
Vanadium	ppm	<1	 	



ARING EQUIPMENT COMPANY INC - MAIN (MILWAUKEE)
13001 W SILVERE SPRING DR
BUTLER, WI
US 53007
Contact: GLENN OTTENBACHER
gottenbacher@aring.com
T: (262)282-0715
F: (262)781-5053

Diagnosis

Oil and filter 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). 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:VOLVO0069Unique No:10656954Signed:Jonathan HesterReport Date:21 Sep 2023

ppm

ppm

ppm

ppm

ppm

ppm

2286

1236

1022

0

48

20

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



CONSTRUCTION EQUIPMENT





