

CONSTRUCTION EQUIPMENT

D13153 PAYNE & DOLAR VOLVO L220H 3471 - DIESEL ENGINE

Sample No: VCP188880

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

Job No: D13153 PAYNE & DOLAR

VOLVO				
SAMPLE II	NFORMATION			
Sample Number		VCP188880	VCP418995	
Sample Date		06 Feb 2024	14 Sep 2023	
Machine Hours		1457	439	
Oil Hours		456	439	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	ABNORMAL	
Sample Status		NORWAL	ADNONIVIAL	
VOLVO	TION			
OIL CONDI				
Visc @ 100°C	cSt	12.3	1 1.6	
Base Number (BN)		■9.6	■ 6.5	
Oxidation (PA)	%	80	67	
VOLVO				
CONTAMIN	NATION			
Water	%	NEG	NEG	
Soot %	%	■0.2	10	
Nitration (PA)	%	59	88	
Sulfation (PA)	%	62	61	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	■ 0.5	
Silicon	ppm	■ 5	27	
Sodium	ppm	0	4	
Potassium	ppm	3	1 5	
rotassium	ррпп			
VOLVO				
WEAR ME	TALS			
Iron	ppm	10	1 4	
Copper	ppm	■8	<u>^</u> 245	
Lead	ppm	0	1	
Tin	ppm	■ <1	2	
Aluminum	ppm	2	3	
Chromium	ppm	■ <1	- <1	
Molybdenum	ppm	46	■93	
Nickel	ppm	■ <1	2	
Titanium	ppm	<1	0	
Silver	ppm	■ <1	0	
Manganese	ppm	0	3	
Vanadium	ppm	0	<1	
ADDITIVE:	7			
_				
Calcium	ppm	1606	2286	
Magnesium	ppm	476	2 0	

1236

1022

0

48



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

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

 Depot:
 VOLVO0069

 Unique No:
 10872016

 Signed:
 Wes Davis

 Report Date:
 12 Feb 2024

1104

946

25

46

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus



CONSTRUCTION EQUIPMENT





