

CONSTRUCTION EQUIPMENT VOLVO L 1 20H 632787 - DIESEL ENGINE



Sample No: VCP451240

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

Job No:

SAMPI F IN	IFORMATION				
_	II OMMATION	VCD451240	VCD241402	VCD20C24F	VCD270C07
Sample Number		VCP451240	VCP341492	VCP386245	VCP378697
Sample Date		17 Jun 2024	22 Mar 2023	01 Dec 2022	19 Jul 2022
Machine Hours		7837	6093	5512	4901
Oil Hours		0	500	500	500
Oil Changed		N/A	Changed	Changed	Changed
Sample Status		SEVERE	NORMAL	NORMAL	NORMAL
OIL CONDI	TION				
Visc @ 100°C	cSt	▲ 7.8	13.1	13.7	□ 13.4
Base Number (BN)		■ 9.2	10.1	10.5	11.6
Oxidation (PA)	%	71	82	73	82
	70	71	02	73	02
CONTAMIN	IATION				
Water	%	NEG	NEG	NEG	NEG
Soot %	%	■0.5	0.4	□ 0.5	□0.2
Nitration (PA)	%	72	74	80	58
Sulfation (PA)	%	57	61	61	65
Glycol	%	NEG	NEG	NEG	NEG
uel	%	▲ 14.2	<1.0	<1.0	<1.0
Silicon	ppm	9	9	11	9
Sodium	ppm	6	2	- <1	0
Potassium		1		_	_
Otassium	ppm		< 1	1	0
WEAR MET	TALS				
ron	ppm	16	1 6	1 6	□18
Copper	ppm	2	1	1 2	□ <1
_ead	ppm	2	0	□ < 1 □	- <1
Tin .	ppm	□0	<1	1	0
Aluminum	ppm	■9	11	■ 15	3
Chromium	ppm	■ <1	<1	■ <1	<1
Molybdenum	ppm	■33	71	6 4	1 43
Nickel	ppm	■0	0	0	0
itanium	ppm	0	0	0	<1
Silver		O	0	0	<1
-	ppm		= <1	□ <1	
Manganese /anadium	ppm	■ 0 0	0	0	0
ranaulum	ppm	U	U	U	U
ADDITIVES					
_		—1265	T 1716	m1202	T 1552
Calcium	ppm	1365	□1716 □640	1302	□ 1553
Magnesium 	ppm	411	□ 649	942	□ 506
Zinc	ppm	■862	■1240	■1358	■1021
Phosphorus	ppm	758	■1034	□1121	■850
Barium	ppm	■0	0	□0	0
Boron	ppm	18	■32	4	44



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
8418 PALM RIVER ROAD
TAMPA, FL
US 33619
Contact: KENNY HANEY
khaney@flaglerce.com
T: (813)630-0077
F: (813)630-2233

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLVO0093

 Unique No:
 11087206

 Signed:
 Wes Davis

 Report Date:
 21 Jun 2024



CONSTRUCTION EQUIPMENT





