

CONSTRUCTION EQUIPMENT VOLVO L110H 631292 - DIESEL ENGINE



Sample No: VCP441658

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

Job No:

VOLVO					
	NFORMATION				
Sample Number	-	VCP441658	VCP421232	VCP388471	VCP374606
Sample Date		29 Mar 2024	26 Jul 2023	26 Oct 2022	13 Jun 2022
Machine Hours		9103	8611	8154	7686
Oil Hours		0	0	500	1500
Oil Changed		Changed	Not Changd	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
OIL CONDI	TION				
_		= 42.5		— 12.2	T12.0
Visc @ 100°C	cSt	12.5	12.5	13.3	12.9
Base Number (BN)		■ 9.9	10.6	12.2	12.1
Oxidation (PA)	%	77	80	88	86
VOLVO					
CONTAMI	NATION				
Water	%	NEG	NEG	NEG	NEG
Soot %	%	■ 0.3	0.2	■ 0.3	■0.3
Nitration (PA)	%	59	57	67	68
Sulfation (PA)	%	58	60	66	65
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	13	5	6	6
Sodium	ppm	2	_2	2	1
Potassium	ppm	■ 0	< 1	0	< 1
WEAR ME	7147				
_		=24			— 10
ron	ppm	24	7	1 11	10
Copper Lead	ppm	4	2	3	1
Lead Tin	ppm	■ <1	<1 1	1	<1 <1 <1 <
Aluminum	ppm	1 11		1	□ < 1 □ 6 □ 6
Chromium	ppm	1 11	6	6	
	ppm		□<1 □43	<1	□ < 1 □ < 1
Molybdenum Nickel	ppm	■ 45	■43 ■<1	□41 □0	■40 ■0
Titanium	ppm	<1	0	0	<1
Silver	ppm	■0	0	0	<1
Manganese	ppm	■ <1	= <1	□ <1	<1
Vanadium	ppm	0	0	0	0
variaululii	ppiii	U	U	U	U
VOLVO					
ADDITIVE:	2				
Calcium	ppm	1669	■1629	□1734	■1636
Magnesium	ppm	487	533	498	456
Zinc	ppm	1118	1170	1123	1 103
Phosphorus	ppm	■952	■950	■931	■903
ь :			- 0		

0

46

52

38



RIPA AND ASSOCIATES

10149 FISHER AVENUE TAMPA, FL US 33619 Contact: PM Services PMServices@ripaconstruction.com T:

F:

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:RIPTAMUnique No:11044002Signed:Don BaldridgeReport Date:23 May 2024

Contact/Location: PM Services ? - RIPTAM

ppm

ppm

0

50

Barium

Boron



CONSTRUCTION EQUIPMENT





