

CONSTRUCTION EQUIPMENT VOLVO A40 352852 - DIESEL ENGINE



Sample No: VCP451196

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

Job No:

VOLVO					
SAMPLE II	NFORMATION				
Sample Number	-	VCP451196	VCP394047	VCP364335	VCP364583
Sample Date		09 May 2024	10 Mar 2023	03 Nov 2022	18 Aug 2022
Machine Hours		5118	2973	2424	1982
Oil Hours		0	500	500	500
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		ATTENTION	ATTENTION	NORMAL	NORMAL
OIL CONDI	TION				
Visc @ 100°C	cSt	12.1	12.1	12.7	12.6
Base Number (BN)		■8.0	9.5	11.2	9.9
Oxidation (PA)	%	61	79	84	65
Skiddilott (17t)	70	•	, ,	0 1	03
VOLVO					
CONTAMI	NATION				
Water	%	NEG	NEG	NEG	NEG
Soot %	%	■0.2	0.2	□ 0.2	□ 0.3
Nitration (PA)	%	68	63	64	68
Sulfation (PA)	%	53	61	65	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	□ 0.7	<1.0	<1.0
Silicon	ppm	4	6	5	5
Sodium	ppm	■ 3	2	0	- <1
Potassium	ppm	0	- <1	□0	0
WEAR ME	TALC				
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Iron	ppm	6	6	5	5
Copper	ppm	6	4	■3	□4
Lead	ppm	■0	0	- <1	- <1
Tin	ppm	■0	- <1	- <1	0
Aluminum	ppm	■2	2	2	- <1
Chromium	ppm	0	= <1	 <1	- <1
Molybdenum	ppm	■ 59	4 5	4 5	5 5
Nickel	ppm	■ <1	1	= <1	- <1
Titanium	ppm	0	0	0	0
Silver	ppm	■0	0	0	<1
Manganese	ppm	1 < 1	 <1	1 <1	<1
Vanadium	ppm	<1	0	0	0
ADDITIVE	2				
Calcium	ppm	1245	□1708	□1656	□1076
Magnesium	ppm	962	557	□ 577	855
Zinc		1225	1186	1117	□ 1140
Phosphorus	ppm	1033	969	922	937
Barium					
Dallulli	ppm	■0	□ 0	□ 0	■0



RIPA AND ASSOCIATES

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

Diagnosis

Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:RIPTAMUnique No:11029633Signed:Sean FeltonReport Date:16 May 2024

Contact/Location: PM Services ? - RIPTAM

ppm

Boron



CONSTRUCTION EQUIPMENT





