

[634367]

VOLVO A40G 352842

Component Diesel Engine

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Decemble of the next convice interval to menitor	Sample Number		Client Info		VCP440785	VCP414671	VCP424148
Resample at the next service interval to monitor.	Sample Date		Client Info		27 Nov 2023	11 Sep 2023	11 May 2023
	Machine Age	hrs	Client Info		4010	3555	3070
	Oil Age	hrs	Client Info		500	0	500
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	N/A	Changed
	Filter Changed		Client Info		Changed	N/A	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>200	5	14	6
	Chromium	ppm	ASTM D5185m	>20	0	<1	<1
	Nickel	ppm	ASTM D5185m	>10	1	<1	1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>30	1	4	2
	Lead	ppm	ASTM D5185m	>40	0	<1	0
	Copper	ppm	ASTM D5185m	>20	1	17	1
	Tin	ppm	ASTM D5185m	>20	<1	<1	1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	<b>\</b> 20	5	4	6
CONTRIMINATION	Potassium	ppm	ASTM D5185m		0	1	1
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0	<1.0	0.7
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.7	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	7.6	8.0	7.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	22.8	21.8
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	3	2
	Boron	ppm	ASTM D5185m	2.5	37	29	40
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		40	47	47
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		493	532	525
	Calcium	ppm	ASTM D5185m	2057	1716	1818	1628
	Phosphorus	ppm	ASTM D5185m		968	969	947
	Zinc	ppm	ASTM D5185m		1116	1199	1150
	Sulfur	ppm	ASTM D5185m		2892	2947	4100
	Oxidation	Abs/.1mm	*ASTM D7414		20.3	19.6	20.8
	Base Number (BN)	mg KOH/g	ASTM D2896	10	10.2	9.2	8.8
	Vier @ 10000	- 0+		15.0	40.4	10.0	10.4

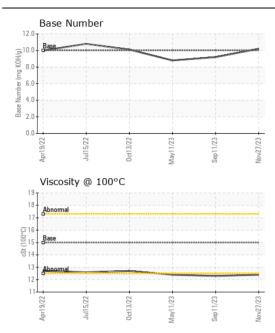
Visc @ 100°C cSt

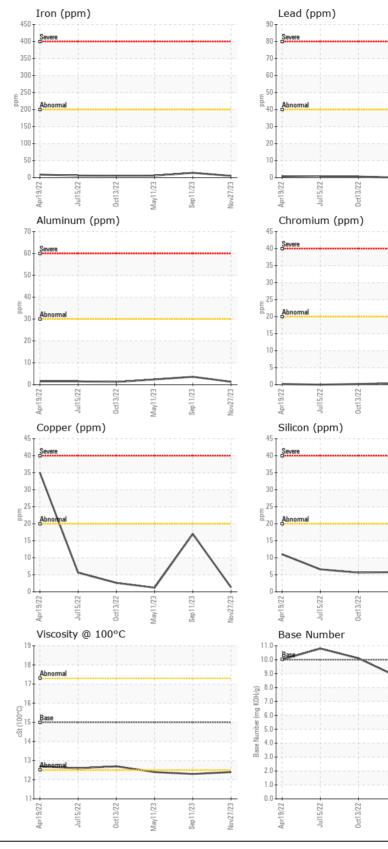
ASTM D445 15.0

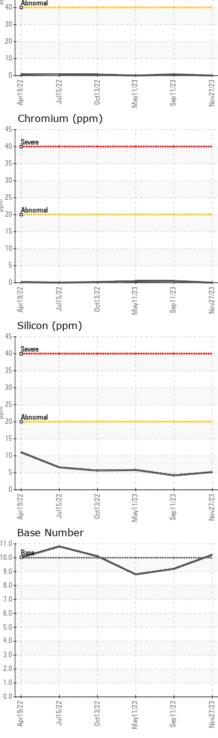
12.3

12.4

12.4







**RIPA AND ASSOCIATES** Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : VCP440785 Recieved : 17 Jan 2024 10149 FISHER AVENUE Lab Number : 06062308 Diagnosed TAMPA, FL : 18 Jan 2024 Diagnostician : Wes Davis : 10833690 US 33619 Unique Number Test Package : MOB 1 (Additional Tests: TBN) **Contact: PM Services** Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. PMServices@ripaconstruction.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

回題

Contact/Location: PM Services ? - RIPTAM