

Machine Id

## VOLVO A25G 13204825 (S/N 740146) onen

**Diesel Engine** 

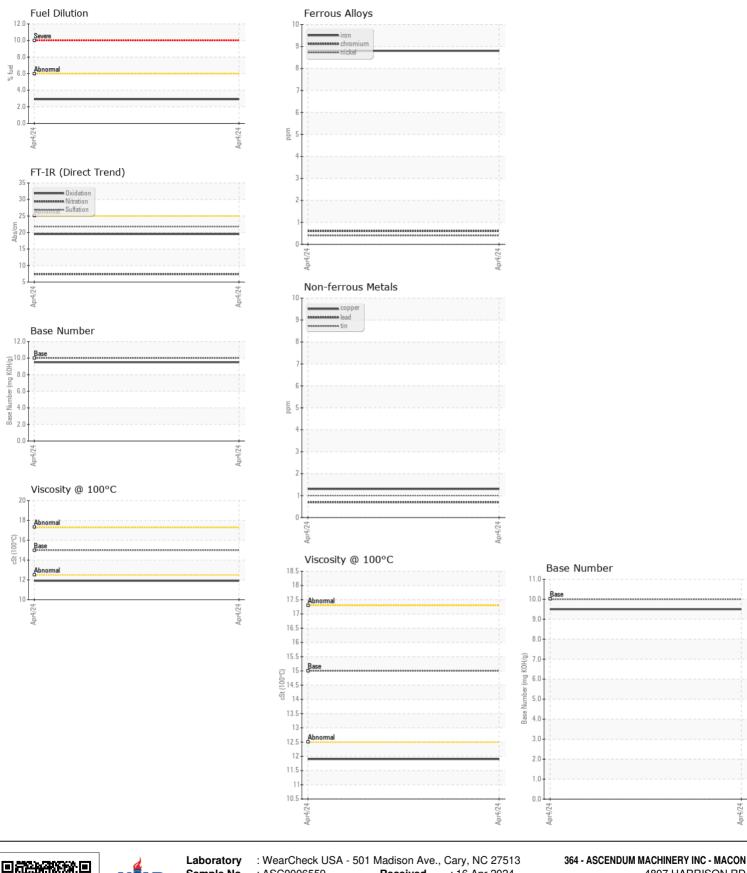
VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 (11 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.	Sample Number		Client Info		ASC0006559		
	Sample Date		Client Info		04 Apr 2024		
	Machine Age	hrs	Client Info		7464		
	Oil Age	hrs	Client Info		7464		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR Metal levels are typical for a components first oil change.	Iron	ppm	ASTM D5185m		9		
	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>2	<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	2		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m	>330	1		
	Tin	ppm	ASTM D5185m	>15	1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Cilicon			. 05	0		
CONTAMINATION	Silicon	ppm	ASTM D5185m		8		
Light fuel dilution occurring. No other contaminants were detected in the oil.	Potassium	ppm	ASTM D5185m		1		
	Fuel	%	ASTM D3524	>6.0	2.9		
	Water		WC Method	>0.2	NEG		
	Glycol	01	WC Method	0	NEG		
	Soot %	%	*ASTM D7844		0.2		
	Nitration	Abs/cm	*ASTM D7624	>20	7.4		
	Sulfation	Abs/.1mm	*ASTM D7415		21.8		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
	Boron	ppm	ASTM D5185m	2.5	54		
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		1		
	Molybdenum	ppm	ASTM D5185m		42		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		495		
	Calcium	ppm	ASTM D5185m		1692		
	Phosphorus	ppm	ASTM D5185m		1002		
	Zinc	ppm	ASTM D5185m		1139		
	Sulfur	ppm	ASTM D5185m		3340		
	Oxidation	Abs/.1mm	*ASTM D7414		19.5		
	Base Number (BN)		ASTM D7414 ASTM D2896		9.5		
		ing itoniy		10	0.0		

Visc @ 100°C cSt

11.9

ASTM D445 15.0



Sample No. : ASC0006559 Received 4807 HARRISON RD : 16 Apr 2024 Lab Number : 06149828 MACON, GA Tested : 19 Apr 2024 : 19 Apr 2024 - Wes Davis US 31206 Unique Number : 10979906 Diagnosed Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN) Contact: HALIE BAKER Certificate L2367 halie.baker@ascendummachinery.com To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (478)200-5859