

Machine Id VOLVO A30G#301 (S/N 740069) Component Diesel Engine Fluid MOBIL DELVAC SUPER 1400 15W40 (--- GAL)

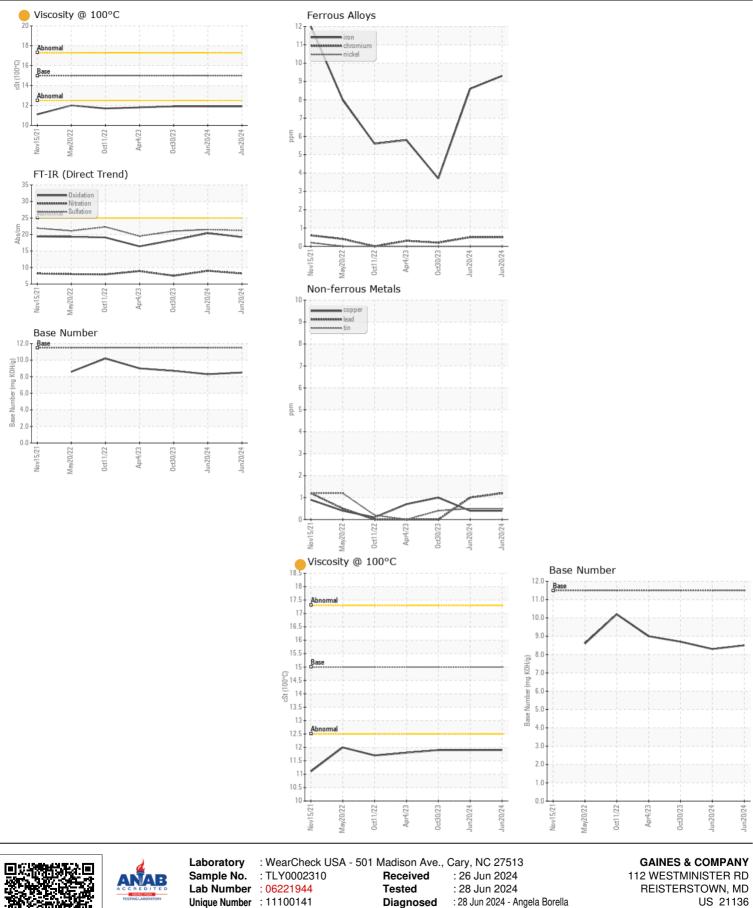
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		TLY0002310	TLY0002491	TLY0001642
	Sample Date		Client Info		20 Jun 2024	20 Jun 2024	30 Oct 2023
	Machine Age	hrs	Client Info		7874	7489	7291
	Oil Age	hrs	Client Info		7291	7291	583
	Filter Age	hrs	Client Info		7291	7291	583
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	ATTENTION	ATTENTION
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>100	9	9	4
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	2	2
	Lead	ppm	ASTM D5185m	>40	1	1	0
	Copper	ppm	ASTM D5185m	>330	<1	<1	1
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	<u>~25</u>	7	6	7
	Potassium	ppm	ASTM D5185m		, <1	2	0
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	ppm	WC Method	>6.0	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	/ 0.12	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	8.2	9.0	7.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	21.5	21.0
	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		3	3	2
	Boron	ppm	ASTM D5185m		33	30	38
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		54	49	69
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		548	562	628
	Calcium	ppm	ASTM D5185m		1723	1869	1516
	Phosphorus	ppm	ASTM D5185m		820	873	838
	Zinc	ppm	ASTM D5185m		919	965	1008
	Sulfur	ppm	ASTM D5185m		2916	3084	2721
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.2	20.4	18.3
	Base Number (BN)		ASTM D2896		8.5	8.3	8.7
	Vice @ 100°C	0°+		15.0	11.0	11.0	110

Visc @ 100°C cSt ASTM D445 15.0

11.9

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Certificate L2367 Test Package : CONST (Additional Tests: TBN)

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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