

Machine Id VOLVO EC350EL 314803 Component Diesel Engine Fluid NOT GIVEN (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		ASC0009180		
	Sample Date		Client Info		11 Jul 2024	07 Mar 2024	
	Machine Age	hrs	Client Info		1446	714	
	Oil Age	hrs	Client Info		732	714	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	8	9	
	Chromium	ppm	ASTM D5185m	>20	<1	0	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	<1	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m	>2	<1	0	
	Aluminum	ppm	ASTM D5185m		2	2	
	Lead	ppm	ASTM D5185m	>40	- <1	2	
	Copper	ppm	ASTM D5185m		61	195	
	Tin	ppm	ASTM D5185m		1	1	
	Vanadium	ppm	ASTM D5185m	210	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m		7	20	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2	2	
	Fuel	%	ASTM D3524	>6.0	<1.0	0.8	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.1	0.1	
	Nitration	Abs/cm	*ASTM D7624	>20	8.5	10.2	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	21.9	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	2	
	Boron	ppm	ASTM D5185m		16	51	
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	0	
	Molybdenum	ppm	ASTM D5185m		67	78	
	Manganese	ppm	ASTM D5185m		<1	2	
	Magnesium	ppm	ASTM D5185m		814	81	
	Calcium	ppm	ASTM D5185m		1261	2181	
	Phosphorus	ppm	ASTM D5185m		1014	976	
	Zinc	ppm	ASTM D5185m		1238	1131	
	Sulfur	ppm	ASTM D5185m		2662	3887	
	Oxidation		*ASTM D5185111	>25	16.1	17.2	
		MUS/. [[[]]]	AGTIVI D7414	>20	10.1	17.4	

Base Number (BN) mg KOH/g ASTM D2896

ASTM D445

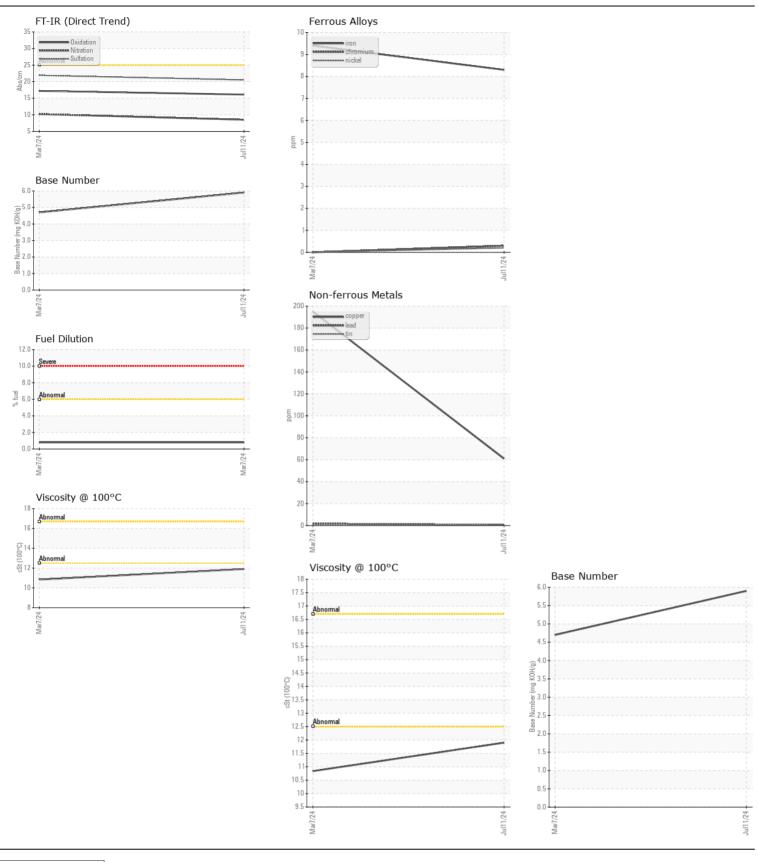
Visc @ 100°C cSt

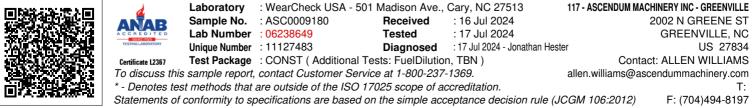
4.7

10.84

5.9

11.9





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