

[226031 REPUBLIC] Wachine Id VOLVO ECR145D 210535

Component Diesel Engine

{not provided} (--- GAL)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Decemple et the next convice interval to monitor. Teste de net reveal	Sample Number		Client Info		VCP368602		
Resample at the next service interval to monitor. Tests do not reveal cause for reported problem.	Sample Date		Client Info		20 May 2024		
	Machine Age	hrs	Client Info		9043		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	6		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>10	<1		
	Nickel	ppm	ASTM D5185m	>10	<1		
	Titanium	ppm	ASTM D5185m		1		
	Silver	ppm	ASTM D5185m	>2	1		
	Aluminum	ppm	ASTM D5185m	>10	3		
	Lead	ppm	ASTM D5185m	>20	<1		
	Copper	ppm	ASTM D5185m	>15	2		
	Tin	ppm	ASTM D5185m	>10	<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	8		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	3		
	Fuel		WC Method	>6.0	<1.0		
	Water		WC Method	>0.1	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	5.0		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.1		
	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	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3		
The DN regult indicates that there is suitable alkelinity remaining in the	Boron	ppm	ASTM D5185m		42		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		1		
	Molybdenum	ppm	ASTM D5185m		106		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		1317		
	Calcium	ppm	ASTM D5185m		1643		
	Phosphorus	ppm	ASTM D5185m		1328		
	Zinc	ppm	ASTM D5185m		1640		
	Sulfur	ppm	ASTM D5185m		4984		
	Ovidation	Alan / day		05	10.4		

Oxidation

Visc @ 100°C cSt

13.4

8.7

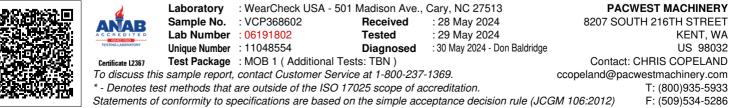
14.3

Abs/.1mm *ASTM D7414 >25

ASTM D445

Base Number (BN) mg KOH/g ASTM D2896





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Contact/Location: CHRIS COPELAND - VOLVO1271