

**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

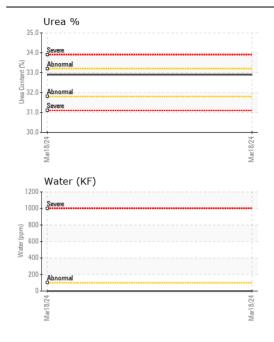


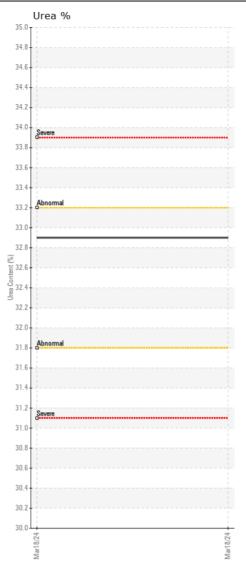
Area [511266]

## **VOLVO EC30ELR 318171**

Component Diesel Exhaust Fluid (DEF)

Sample Number   Client Info   VCP437892         Sample Date   Client Info   18 Mar 2024         Machine Age   hrs   Client Info   5         Oil Age   hrs   Client Info   0         Filter Age   hrs   Client Info   0         Oil Changed   Client Info   N/A         Filter Changed   Client Info   N/A         Sample Status   NORMAL   NORMAL         WEAR   White Metal   scalar   *Visual   NONE   NONE         Vellow Metal   scalar   *Visual   NONE   NONE         CONTAMINATION   Hydrocarbon   scalar   *Visual   NONE   NONE         Silt   scalar   *Visual   NONE   NONE         Debris   scalar   *Visual   NONE   NONE         NONE           Debris   scalar   *Visual   NONE   NONE         NONE         NONE         NONE         Debris   scalar   *Visual   NONE   NONE         NO	{not provided} ( GAL)							
Sample Date   Client Info   18 Mar 2024       Machine Age   hrs   Client Info   5         Oil Age   hrs   Client Info   0         Filter Age   hrs   Client Info   0         Oil Changed   Client Info   N/A         Oil Changed   Client Info   N/A         Filter Changed   Client Info   N/A         Sample Status   NORMAL         WEAR   White Metal   scalar   *Visual   NONE   NONE         Vellow Metal   scalar   *Visual   NONE   NONE         CONTAMINATION   Hydrocarbon   scalar   *In-House   NONE         Appearance is acceptable. There is no indication of any contamination in the diesel exhaust fluid (def).   Debris   scalar   *Visual   NONE   NONE         Debris   scalar   *Visual   NONE   NONE         Oil Changed   Client Info   N/A         Client Info   N/A         Oil Changed   Client Info   N/A         Client Info   N/A         NONE   NONE         Oil Changed   Client Info   N/A         Oil Changed   Client Info   N/A       Oil Changed   Client Info   N/A         Oil Changed   Client Info   N/A	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age   hrs   Client Info   0         Oil Age   hrs   Client Info   0         Filter Age   hrs   Client Info   0         Oil Changed   Client Info   N/A         Filter Changed   Client Info   N/A         Filter Changed   Client Info   N/A         Sample Status   NORMAL   NORMAL         WEAR   White Metal   scalar   *Visual   NONE   NONE         Yellow Metal   scalar   *Visual   NONE   NONE         CONTAMINATION   Hydrocarbon   scalar   *In-House   NONE         In the diesel exhaust fluid (def).   Debris   scalar   *Visual   NONE   NONE         Debris   scalar   *Visual   NONE   NONE         One   NONE         Oil Changed   Client Info   N/A       Client Info   N/A       NONE         NONE         Oil Changed   Client Info   N/A       Oil Changed   Client Info   N	Fluid meets ISO 22241-2 requirements and is suitable for use.	Sample Number		Client Info		VCP437892		
Oil Age		Sample Date		Client Info		18 Mar 2024		
Filter Age hrs Client Info 0 Oil Changed Client Info N/A N/A Filter Changed Client Info N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NONE NONE NONE NORMAL NONE NONE NONE NONE NORMAL NONE NONE NORMAL NONE NONE NONE NONE NONE NONE		Machine Age	hrs	Client Info		5		
Oil Changed Client Info N/A  Filter Changed Client Info N/A  Sample Status NORMAL  WEAR  White Metal scalar *Visual NONE NONE  Yellow Metal scalar *Visual NONE NONE  Yellow Metal scalar *In-House NONE  TONTAMINATION  Appearance is acceptable. There is no indication of any contamination in the diesel exhaust fluid (def).  Silt scalar *Visual NONE NONE  Debris scalar *Visual NONE NONE  NONE  NONE  NONE  NONE  NONE  NONE  NONE  NONE  NONE		Oil Age	hrs	Client Info		0		
Filter Changed   Client Info   N/A       Sample Status   NORMAL       WEAR   White Metal   scalar   *Visual   NONE   NONE       Yellow Metal   scalar   *Visual   NONE   NONE       Yellow Metal   scalar   *Visual   NONE   NONE        CONTAMINATION   Hydrocarbon   scalar   *In-House   NONE       Appearance is acceptable. There is no indication of any contamination in the diesel exhaust fluid (def).   Debris   scalar   *Visual   NONE   NONE       Debris   scalar   *Visual   NONE   NONE        NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE   NONE         NONE   NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE         NONE		Filter Age	hrs	Client Info		0		
Sample Status  White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE  To None None  None  Silt scalar *Visual NONE NONE In the diesel exhaust fluid (def).  Silt scalar *Visual NONE NONE Debris scalar *Visual NONE		Oil Changed		Client Info		N/A		
White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE  NONE  NONE  Silt scalar *Visual NONE NONE  NONE  Debris scalar *Visual NONE NONE  NONE		Filter Changed		Client Info		N/A		
Yellow Metal scalar *Visual NONE NONE  CONTAMINATION  Hydrocarbon scalar *In-House NONE  Appearance is acceptable. There is no indication of any contamination in the diesel exhaust fluid (def).  Silt scalar *Visual NONE NONE  Debris scalar *Visual NONE NONE		Sample Status				NORMAL		
CONTAMINATION  Hydrocarbon scalar *In-House NONE in the diesel exhaust fluid (def).  Hydrocarbon scalar *Visual NONE NONE NONE	WEAR	White Metal	scalar	*Visual	NONE	NONE		
Appearance is acceptable. There is no indication of any contamination in the diesel exhaust fluid (def).  Silt scalar *Visual NONE NONE  Debris scalar *Visual NONE NONE		Yellow Metal	scalar	*Visual	NONE	NONE		
in the diesel exhaust fluid (def).  Debris scalar *Visual NONE	CONTAMINATION	Hydrocarbon	scalar	*In-House		NONE		
Debris scalar *Visual NONE		Silt	scalar	*Visual	NONE	NONE		
Sand/Dirt scalar *Visual NONE NONE	in the diesel exhaust fluid (def).	Debris	scalar	*Visual	NONE	NONE		
		Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance scalar *Visual NORML NORML		Appearance	scalar	*Visual	NORML	NORML		
Odor scalar *Visual NORML NORML		Odor	scalar	*Visual	NORML	NORML		
Emulsified Water scalar *Visual 0.2%		Emulsified Water	scalar	*Visual		0.2%		
FLUID CONDITION Urea Content % ISO 22241 <31.8 32.9	FLUID CONDITION	Urea Content	%	ISO 22241	<31.8	32.9		
Urea content is normal. Density @ 20°C g/cm3 ISO 22241 >1.0930 1.0900	Urea content is normal.	Density @ 20°C	g/cm3	ISO 22241	>1.0930	1.0900		
Refracting Index ISO 22241 <1.3814 <b>1.3831</b>		Refracting Index		ISO 22241	<1.3814	1.3831		
Appearance scalar *Visual Clear & Bright		Appearance	scalar	*Visual		Clear & Bright		









Laboratory

Sample No.

: VCP437892 Lab Number : 06124131 Unique Number : 10938282

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Mar 2024 **Tested** : 29 Mar 2024

Diagnosed

: 29 Mar 2024 - Doug Bogart

US 33619 Contact: KENNY HANEY

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8418 PALM RIVER ROAD

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC

Test Package : DEF 1 ( Additional Tests: ICP, KF, KV40, SCREEN ) 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) TAMPA, FL