



## VOLVO A35F 10333

Drop Box Fluid GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

## **WEAR**

All component wear rates are normal.

## CONTAMINATION

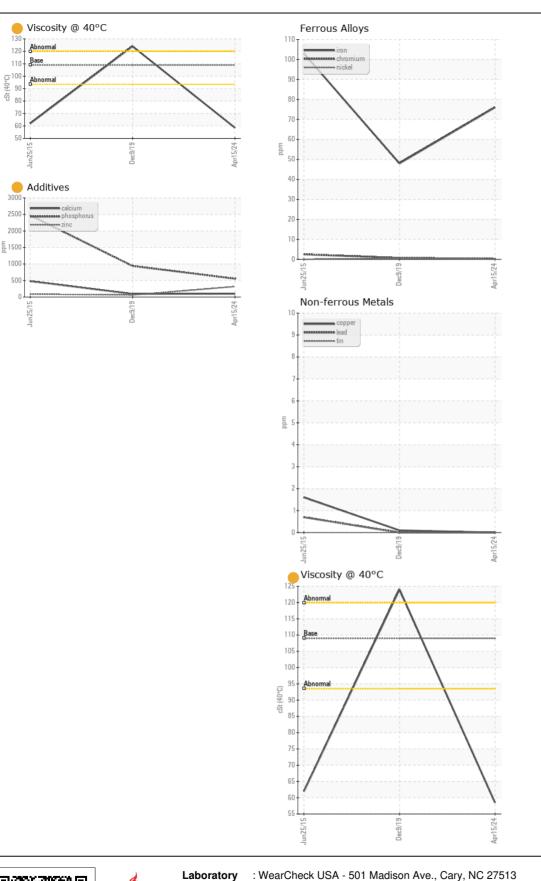
There is no indication of any contamination in the oil.

## FLUID CONDITION

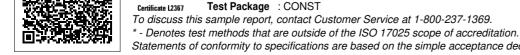
The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

<b>/</b>						
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0001430	VCP262130	VCP186766
Sample Date		Client Info		15 Apr 2024	09 Dec 2019	25 Jun 2015
Machine Age	hrs	Client Info		19165	0	4104
Oil Age	hrs	Client Info		1000	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL
			500	70	40	400
Iron	ppm	ASTM D5185m	>500	76	48	103
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	0.0	0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	8	13
Lead	ppm	ASTM D5185m	>30	0	0	<1
Copper	ppm	ASTM D5185m	>30	0	<1	2
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m	NONE	0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	A HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m	>50	NONE 10	NONE 3	NONE
Silicon	ppm	ASTM D5185m	>50	10	3	<b>9</b> 0
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>50 >20	10 1	3 0	▲ 90 2
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>50 >20 >0.2	10 1 NEG	3 0 NEG	<ul> <li>90</li> <li>2</li> <li>NEG</li> </ul>
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>50 >20 >0.2 NONE	10 1 NEG NONE	3 0 NEG NONE	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> </ul>
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>50 >20 >0.2 NONE NONE	10 1 NEG NONE LIGHT	3 0 NEG NONE NONE	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>50 >20 >0.2 NONE NONE NONE	10 1 NEG NONE LIGHT NONE	3 0 NEG NONE NONE NONE	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE NORML	10 1 NEG NONE LIGHT NONE NORML	3 0 NEG NONE NONE NONE NORML	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE NORML NORML	10 1 NEG NONE LIGHT NONE NORML NORML	3 0 NEG NONE NONE NONE NORML NORML	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE NORML NORML	10 1 NEG NONE LIGHT NONE NORML NORML NEG	3 0 NEG NONE NONE NONE NORML NEG	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	10 1 NEG NONE LIGHT NORML NORML NEG	3 0 NEG NONE NONE NORML NORML NEG 0	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>3</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	<ul> <li>&gt;50</li> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORM</li> <li>NORML</li> <li>&gt;0.2</li> <li>400</li> </ul>	10 1 NEG NONE LIGHT NORML NORML NEG <1 49	3 0 NEG NONE NONE NORML NORML NEG 0 147	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>3</li> <li>288</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	10 1 NEG NONE LIGHT NORML NORML NORML NEG <1 49 0	3 0 NEG NONE NONE NORML NORML NORML NEG 0 147 0	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>3</li> <li>288</li> <li>0</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML NORML >0.2	10 1 NEG NONE LIGHT NORML NORML NEG <1 49 0 3	3 0 NEG NONE NONE NORML NORML NEG 0 147 0 6	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>3</li> <li>288</li> <li>0</li> <li>22</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;50</li> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>&gt;0.2</li> <li>400</li> <li>200</li> <li>12</li> </ul>	10 1 NEG NONE LIGHT NORML NORML NEG <1 49 0 3 1	3 0 NEG NONE NONE NORML NORML NEG 0 147 0 6 1	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>3</li> <li>288</li> <li>0</li> <li>22</li> <li>4</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>50 >20 >0.2 NONE NONE NORML >0.2 400 200 12	10 1 NEG NONE LIGHT NORML NORML NORML NEG <1 49 0 3 1 2	3 0 NEG NONE NONE NORM NORM NORM NORM NEG 0 147 0 6 1	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NORML</li> <li>288</li> <li>222</li> <li>4</li> <li>73</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;50</li> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.2</li> <li>400</li> <li>200</li> <li>12</li> <li>12</li> <li>12</li> <li>150</li> </ul>	10 1 NEG NONE LIGHT NORML NORML NORML 2 3 1 2 99	3 0 NEG NONE NONE NORML NORML NEG 0 147 0 6 147 0 6 147	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>3</li> <li>288</li> <li>0</li> <li>22</li> <li>4</li> <li>73</li> <li>480</li> </ul>
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar gpm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	<ul> <li>&gt;50</li> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.2</li> <li>400</li> <li>200</li> <li>12</li> <li>12</li> <li>150</li> <li>1650</li> </ul>	10 1 NEG NONE LIGHT NORML NORML NEG <1 49 0 3 1 2 99 555	3 0 NEG NONE NONE NORML NORML NEG 0 147 0 6 1 147 0 147 0 147 0 147 0 147 0 147 0 147 0 147 0 147 0 147	<ul> <li>90</li> <li>2</li> <li>NEG</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>NORML</li> <li>NEG</li> <li>3</li> <li>288</li> <li>0</li> <li>22</li> <li>4</li> <li>73</li> <li>480</li> <li>2474</li> </ul>

Submitted By: Service - Alex Anderson



MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND 1345 MOUNTAIN ROAD : 19 Apr 2024 GLEN ALLEN, VA : 22 Apr 2024 : 24 Apr 2024 - Jonathan Hester US 23060 Contact: KYLE RATLIFFE KRATLIFFE@MCCLUNG-LOGAN.COM T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (804)266-1611



Sample No.

Lab Number : 06154963

Unique Number : 10990386

: ML0001430

Received

Diagnosed

Tested

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