

Machine Id

VOLVO A35F 10351

VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- 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

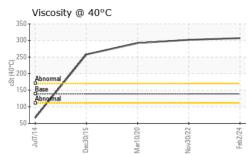
There is no indication of any contamination in the oil.

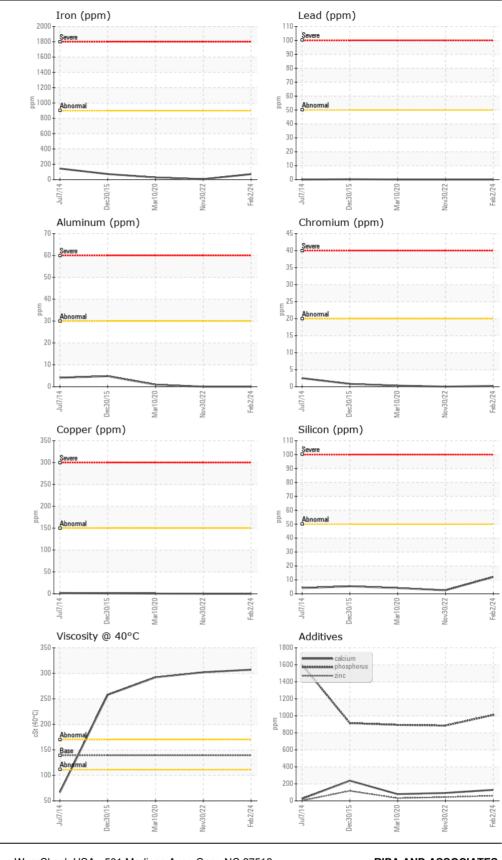
FLUID CONDITION

Confirm oil type. The condition of the oil is acceptable for the time in service.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP449078	VCP386237	VCP267634
Sample Date		Client Info		02 Feb 2024	30 Nov 2022	10 Mar 2020
Machine Age	hrs	Client Info		13818	13003	10928
Oil Age	hrs	Client Info		0	500	2000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>900	71	6	27
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	0.0	0	0	0
Aluminum	ppm	ASTM D5185m	>30	0	0	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>150	0	0	<1
Tin	ppm	ASTM D5185m	>20	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	12	2	4
Potassium	ppm	ASTM D5185m	>20	0	0	6
Potassium Water	ppm	ASTM D5185m WC Method	>20 >0.2	0 NEG	0 NEG	6 NEG
	ppm scalar					-
Water		WC Method	>0.2	NEG	NEG	NEG
Water Silt	scalar	WC Method *Visual	>0.2 NONE	NEG NONE	NEG NONE	NEG NONE
Water Silt Debris	scalar scalar	WC Method *Visual *Visual	>0.2 NONE NONE	NEG NONE NONE	NEG NONE NONE	NEG NONE NONE NONE
Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method *Visual *Visual *Visual	>0.2 NONE NONE NONE	NEG NONE NONE NONE	NEG NONE NONE NONE	NEG NONE NONE NORML
Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.2 NONE NONE NONE	NEG NONE NONE NORE	NEG NONE NONE NORE	NEG NONE NONE NORML
Water Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML	NEG NONE NONE NORML NORML	NEG NONE NONE NORML NORML	NEG NONE NONE NORML NORML
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>0.2 NONE NONE NORML NORML	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar scalar	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2	NEG NONE NONE NORML NORML NEG 0	NEG NONE NONE NORML NORML NEG	NEG NONE NONE NORML NORML NEG
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2	NEG NONE NONE NORML NORML NEG 0 177	NEG NONE NONE NORML NORML NEG 0 182	NEG NONE NONE NORML NORML NEG 1 159
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2 379 0.0	NEG NONE NONE NORML NORML NEG 0 1777 <1	NEG NONE NONE NORML NORML NEG 0 182 0	NEG NONE NONE NORML NORML NEG 1 159 0
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 379 0.0 0.8 	NEG NONE NONE NORML NORML NEG 0 1777 <1 0	NEG NONE NONE NORML NORML NEG 0 182 0 <1	NEG NONE NONE NORML NORML NEG 1 159 0 3
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.2 NONE NONE NORML NORML >0.2 379 0.0 0.8 0.0	NEG NONE NONE NORML NORML NEG 0 1777 <1 0 2	NEG NONE NONE NORML NORML NEG 0 182 0 <1	NEG NONE NONE NORML NORML NEG 1 159 0 3 <1
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NORME NORML >0.2 379 0.0 0.8 0.0 31 	NEG NONE NONE NORML NORML NEG 0 1777 <1 0 2 6	NEG NONE NONE NORML NORML NEG 0 182 0 <182 0 <1 <1 <1 7	NEG NONE NONE NORML NORML NEG 1 159 0 3 <1 3
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 379 0.0 0.8 0.0 31 38 	NEG NONE NONE NORML NORML NEG 0 1777 <1 0 2 6 129	NEG NONE NONE NORML NORML NEG 0 182 0 182 0 <1 <1 <1 7 93	NEG NONE NONE NORML NORML NEG 1 159 0 3 <1 3 <1 3 79
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NONE NORML >0.2 379 0.0 0.8 0.0 31 38 1077 	NEG NONE NONE NORML NORML NEG 0 1777 <1 0 2 6 129 1010	NEG NONE NONE NORML NORML NEG 0 182 0 182 0 <1 <1 <1 7 93 885	NEG NONE NONE NONE NORML NORML NEG 1 159 0 3 <1 3 79 893
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >0.2 NONE NORME NORML >0.2 379 0.0 0.8 0.0 31 38 1077 46 	NEG NONE NONE NORML NORML NEG 0 1777 <1 0 2 6 129 1010 60	NEG NONE NONE NORML NORML NEG 0 182 0 <182 0 <1 41 7 93 885 44	NEG NONE NONE NORML NORML NEG 1 159 0 3 <1 3 <1 3 79 893 32

Contact/Location: PM Services ? - RIPTAM





: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **RIPA AND ASSOCIATES** Laboratory Sample No. : VCP449078 Received :08 Feb 2024 10149 FISHER AVENUE Lab Number : 06083950 :09 Feb 2024 TAMPA, FL Tested Unique Number : 10871395 : 11 Feb 2024 - Don Baldridge US 33619 Diagnosed Test Package : MOB 1 **Contact: PM Services** Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. PMServices@ripaconstruction.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

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