



VOLVO A25G 752414

Component Drop Box

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

RECOMMENDATION	Test	UOM	Meth
We advise that you inspect for the source(s) of wear.	Sample Number		Clien
	Sample Date		Clien
	Machine Age	hrs	Clien
	Oil Age	hrs	Clien
	Filter Age	hrs	Clien
	Oil Changed		Clien
	Filter Changed		Clien
	Sample Status		
WEAR	Iron		ASTMI
	Chromium	ppm	ASTMI
Moderate concentration of visible metal present. Gear wear is indicated.	Nickel	ppm	ASTMI
indicated.	Titanium	ppm	ASTM
	Silver	ppm ppm	ASTMI
	Aluminum	ppm	ASTMI
	Lead	ppm	ASTMI
	Copper	ppm	ASTMI
	Tin	ppm	ASTMI
	Vanadium	ppm	ASTMI
	White Metal	scalar	*Visu
	Yellow Metal	scalar	*Visu
		·····	
CONTAMINATION	Silicon	ppm	ASTM I
Elemental level of silicon (Si) above normal indicating ingress of seal	Potassium	ppm	ASTM I
material.	Water		WC N
	Silt	scalar	*Visu
	Debris	scalar	*Visu
	Sand/Dirt	scalar	*Visu
	Appearance	scalar	*Visu
	Odor	scalar	*Visu
	Emulsified Water	scalar	*Visu
FLUID CONDITION	Sodium	ppm	ASTMI
	Boron	ppm	ASTM I
The oil viscosity is lower than normal. Confirm oil type.	Barium	ppm	ASTM I
	Molybdenum	ppm	ASTM I
	Manganese	ppm	ASTM I
	-		10714

Test	UOM	Method	Limit/Abn	Current	History1	History2			
Sample Number		Client Info		VC224832	VC407761				
Sample Date		Client Info		06 Sep 2022	08 Jun 2022				
Machine Age	hrs	Client Info		373	125				
Oil Age	hrs	Client Info		0	125				
Filter Age	hrs	Client Info		0	0				
Oil Changed		Client Info		Not Changd	Not Changd				
Filter Changed		Client Info		Not Changd	Not Changd				
Sample Status				SEVERE	NORMAL				
Iron		ASTM D5185m	>500	487	454				
Iron Chromium	ppm			407 7	151 2				
	ppm	ASTM D5185m	>20	-	_				
Nickel	ppm	ASTM D5185m	>10	3	<1				
Titanium	ppm	ASTM D5185m		<1	<1				
Silver	ppm	ASTM D5185m	0.0	<1	<1				
Aluminum	ppm	ASTM D5185m	>30	▲ 82	25				
Lead	ppm	ASTM D5185m	>30	<1	1				
Copper	ppm	ASTM D5185m	>30	5	5				
Tin	ppm	ASTM D5185m	>20	1	<1				
Vanadium	ppm	ASTM D5185m		0	0				
White Metal	scalar	*Visual	NONE	A MODER	MODER				
Yellow Metal	agalar	*\/:			NONE				
	scalar	*Visual	NONE	NONE	NONE				
Silicon	ppm	ASTM D5185m	>50	<mark>▲</mark> 63	49 2				
Silicon Potassium		ASTM D5185m ASTM D5185m	>50 >20	▲ 63 3	49 2				
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>50 >20 >0.2	▲ 63 3 NEG	49 2 NEG	 			
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>50 >20	▲ 63 3	49 2				
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>50 >20 >0.2 NONE	 63 3 NEG NONE 	49 2 NEG NONE	 			
Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>50 >20 >0.2 NONE NONE	 63 3 NEG NONE NONE 	49 2 NEG NONE NONE	 			
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	 63 3 NEG NONE NONE NONE 	49 2 NEG NONE NONE NONE				
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	 63 3 NEG NONE NONE NONE NORML 	49 2 NEG NONE NONE NONE NORML				
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE NORML	 63 3 NEG NONE NONE NONE NORML NORML 	49 2 NEG NONE NONE NONE NORML NORML				
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm 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	 63 3 NEG NONE NONE NORML NORML NEG 9 	49 2 NEG NONE NONE NONE NORML NORML				
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 ASTM D5185m	>50 >20 >0.2 NONE NONE NONE NORML	 63 3 NEG NONE NONE NORML NORML NEG 	49 2 NEG NONE NONE NORML NORML NEG				
Silicon Potassium Water Silt Debris Cand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	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	 63 3 NEG NONE NONE NORML NORML NEG 9 	49 2 NEG NONE NONE NORML NORML NEG				
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	 >50 >20 >0.2 NONE NONE NORML >0.2 379 	 63 3 NEG NONE NONE NORML NORML NEG 9 78 	49 2 NEG NONE NONE NORML NORML NEG 6 197				
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 >0.2 379 0.0 	 63 NEG NONE NONE NORML NORML NEG 9 78 0 	49 2 NEG NONE NONE NONE NORML NORML NEG 6 197 0				
Silicon Potassium Vater Silt Debris Dand/Dirt Appearance Appearance Codor Emulsified Water Sodium Boron Barium Molybdenum	ppm ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	 >50 >20 >0.2 NONE NORML >0.2 379 0.0 0.8 	 63 3 NEG NONE NORML NORML NEG 9 78 0 36 	49 2 NEG NONE NONE NORML NORML NEG 6 197 0 15				
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm 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	 >50 >20 >0.2 NONE NORME NORML >0.2 379 0.0 0.8 0.0 	 63 3 NEG NONE NONE NORML NORML NEG 9 78 0 36 9 	49 2 NEG NONE NONE NORML NORML NEG 6 197 0 15 3				
Silicon Potassium Vater Silt Debris Sand/Dirt Sand/Dirt Appearance Ddor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar scalar 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	 >50 >20 >0.2 NONE NONE NORML >0.2 379 0.0 0.8 0.0 31 	 63 3 NEG NONE NONE NORML NORML NEG 9 78 0 36 9 5 	49 2 NEG NONE NONE NORML NORML NORML NEG 6 197 0 15 3 0				
Silicon Potassium Vater Silt Debris Sand/Dirt Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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	 >50 >20 >0.2 NONE NONE NORML NORML >0.2 379 0.0 0.8 0.0 31 38 	 63 NEG NONE NONE NORML NORML NORML NEG 9 78 0 36 9 5 49 	49 2 NEG NONE NONE NORML NORML NEG 6 197 0 15 3 0 15 3 0 107				
Silicon Potassium Vater Silt Debris Sand/Dirt Sand/Dirt Appearance Odor Emulsified Water Sodium Barium Barium Molybdenum Manganese Magnesium Calcium	ppm ppm scalar scalar scalar scalar scalar ppm 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	 >50 >20 >0.2 NONE NORME NORML >0.2 379 0.0 0.8 0.0 31 38 1077 	 63 3 NEG NONE NONE NORML NORML NEG 9 78 0 36 9 5 49 1557 	49 2 NEG NONE NONE NORML NORML NEG 6 197 0 15 3 0 15 3 0 107 2471				

Contact/Location: TRENT BROADWELL - VOLVO0157

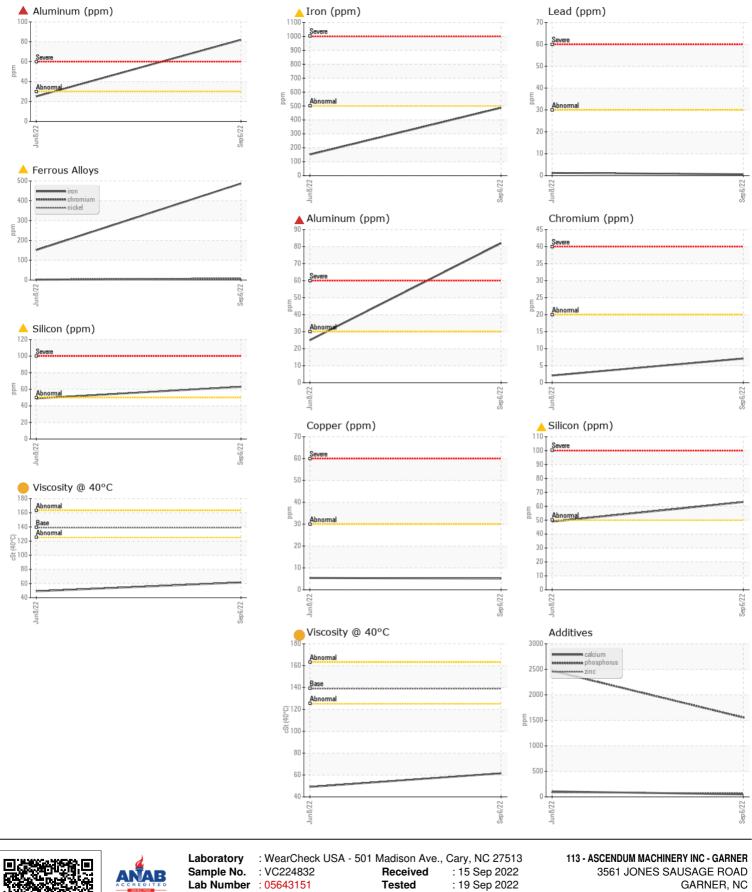
61.5

Visc @ 40°C

cSt

ASTM D445 139

49.1



 Unique Number
 : 10137690
 Diagnosed
 : 19 Sep 2022 - Don Baldridge
 US 27529

 Certificate L2367
 Test Package
 : MOBCE
 Contact: TRENT BROADWELL

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 trent.broadwell@ascendummachinery.com

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 T: (919)661-8817

 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)
 F: (919)661-9038