

Area



[469737 WATER FRONT] Machine Id VOLVO A40G 342355

Drop Box Fluid

VÕLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR	
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Gear wear is indicated. All other component wear rates are normal.

CONTAMINATION

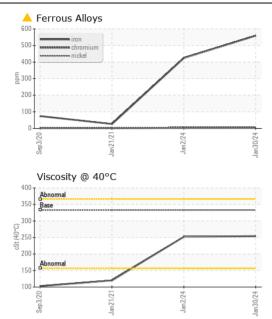
There is no indication of any contamination in the oil.

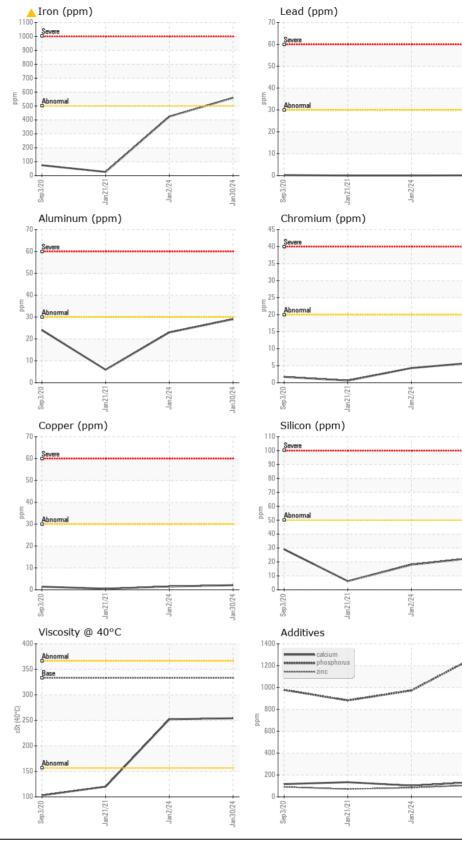
FLUID CONDITION

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

T		Mathaal	Line H/Alexe	0	Listand	Lister 0
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP441648	VCP449234	VCP302588
Sample Date		Client Info		30 Jan 2024	02 Jan 2024	21 Jan 2021
Machine Age	hrs	Client Info		7915	7884	5098
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	6 559	424	26
Chromium	ppm	ASTM D5185m	>20	6	4	<1
Nickel	ppm	ASTM D5185m	>10	1	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	29	23	6
Lead	ppm	ASTM D5185m	>30	<1	0	0
Copper	ppm	ASTM D5185m	>30	2	2	<1
Tin	ppm	ASTM D5185m	>20	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	NONE 23 3	18	NONE 6 2
				23		6
Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>50 >20	23 3	18 <1	6 2
Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>50 >20 >0.2	23 3 NEG	18 <1 NEG	6 2 NEG
Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>50 >20 >0.2 NONE	23 3 NEG NONE	18 <1 NEG LIGHT	6 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	23 3 NEG NONE NONE	18 <1 NEG LIGHT NONE	6 2 NEG NONE NONE
Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>50 >20 >0.2 NONE NONE NONE	23 3 NEG NONE NONE NONE	18 <1 NEG LIGHT NONE NONE	6 2 NEG NONE 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	23 3 NEG NONE NONE NONE NORML	18 <1 NEG LIGHT NONE NONE NORML	6 2 NEG NONE NONE NONE NONE
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 NORML NORML 	23 3 NEG NONE NONE NORE NORML NORML	18 <1 NEG LIGHT NONE NONE NORML NORML	6 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	 >50 >20 >0.2 NONE NONE NORML NORML 	23 3 NEG NONE NONE NORE NORML NEG	18 <1 NEG LIGHT NONE NONE NORML NORML	6 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 NORML NORML >0.2	23 3 NEG NONE NONE NORML NORML NEG 2	18 <1 NEG LIGHT NONE NORML NORML NEG 4	6 2 NEG NONE NONE NORML NORML NEG 6
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	 >50 >20 >0.2 NONE NORME NORML >0.2 1111 	23 3 NEG NONE NONE NORML NORML NEG 2 169	18 <1 NEG LIGHT NONE NORML NORML NEG 4 130	6 2 NEG NONE NONE NORML NORML NEG 6 116
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 1111 0.0 	23 3 NEG NONE NONE NORML NORML NEG 2 169 7	18 <1 NEG LIGHT NONE NORML NORML NEG 4 130 0	6 2 NEG NONE NONE NORML NORML NEG 6 116 0
Silicon Potassium Vater Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	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	 >50 >20 >0.2 NONE NORML NORML >0.2 1111 0.0 0.9 	23 3 NEG NONE NONE NORML NORML NEG 2 169 7 19	18 <1 NEG LIGHT NONE NORML NORML NEG 4 130 0 15	6 2 NEG NONE NONE NORML NORML NEG 6 1116 0 4
Silicon Potassium Water Silt Debris Sand/Dirt Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm ppm scalar scalar scalar scalar scalar gpm 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 >0.2 111 0.0 0.9 0.0 	23 3 NEG NONE NONE NORML NORML NEG 2 169 7 19 6	18 <1 NEG LIGHT NONE NORML NORML NEG 4 130 0 15 5	6 2 NEG NONE NONE NORML NORML NEG 6 116 0 4 <1
Silicon Potassium Water Silt Debris Sand/Dirt Sand/Dirt Appearance Odor Emulsified Water Sodium Boron 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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	 >50 >20 >0.2 NONE NONE NORML >0.2 111 0.0 0.9 0.0 39 	23 3 NEG NONE NONE NORML NORML NEG 2 169 7 19 6 39	18 <1 NEG LIGHT NONE NORML NORML NEG 4 130 0 15 5 29	6 2 NEG NONE NONE NORML NORML NEG 6 116 0 4 <1 2
Silicon Potassium Vater Silt Debris 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	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 >0.2 111 0.0 0.9 0.0 39 93 	23 3 NEG NONE NONE NORML NORML NEG 2 169 7 19 6 39 135	18 <1 NEG I LIGHT NONE NORML NORML NEG 4 130 0 15 5 29 103	6 2 NEG NONE NONE NORML NORML NEG 6 116 0 4 <1 2 134
Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Malybdenum Maganese 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 >0.2 111 0.0 0.9 0.0 39 920 	23 3 NEG NONE NONE NORML NORML NEG 2 169 7 19 6 39 135 1279	18 <1 NEG LIGHT NONE NORML NORML NEG 4 130 0 15 5 29 103 973	6 2 NEG NONE NONE NORML NORML NEG 6 116 0 4 <1 2 134 882

Contact/Location: KENNY HANEY - VOLVO0093







ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD TAMPA, FL US 33619 Contact: KENNY HANEY khaney@flaglerce.com T: (813)630-0077 06:2012) F: (813)630-2233

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.

: VCP441648

: 06077862

: 10859953

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Diagnostician

Recieved

Diagnosed

:01 Feb 2024

:04 Feb 2024

: Don Baldridge

Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

Test Package : MOB 1

Contact/Location: KENNY HANEY - VOLVO0093

an30/24