WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Area

[702594 ALTA RENTS]

VOLVO A30 753398

Drop Box

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

Test	VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (GAL)								
Sample Date Machine Age Ints Client Info 18 Apr 2024 Machine Age Ints Client Info 0 Filter Age Ints Client Info 0 Filter Age Ints Client Info 0 Filter Changed Client Info Not Changed Filter Changed Changed Filter Changed Changed Filter Changed Changed Filter Changed Changed Filter Changed Changed Filter Changed Changed Filter Changed Changed Filter Changed Changed Filter Changed Filter Changed Changed Filter Changed Changed Filter Changed Filter Changed Filter Chan	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2	
Sample Date Client Info 19 Apr 2024 Client Info	Resample at the next service interval to monitor.	Sample Number		Client Info		VCP449609			
Cil Age hrs Cilent Info 0 Filter Age hrs Cilent Info 0 Not Changed Not Changed Not Changed Not Changed Not		Sample Date		Client Info		19 Apr 2024			
Filter Age		Machine Age	hrs	Client Info		1160			
Ci Changed Ci Int Int Changed Ci Int Changed Ci Int Changed		Oil Age	hrs	Client Info		0			
Filter Changed Sample Status		Filter Age	hrs	Client Info		0			
Nome		Oil Changed		Client Info		Not Changd			
Iron		Filter Changed		Client Info		Not Changd			
All component wear rates are normal. Chromium ppm ASTM DS185m >20 <1		Sample Status				NORMAL			
All component wear rates are normal. Chromium ppm ASTM DS185m >20 <1	WEAR	Iron	ppm	ASTM D5185m	>500	59			
Nickel ppm ASTM D5185m >10 0 Titanium ppm ASTM D5185m 0 Aluminum ppm ASTM D5185m >30 4 Aluminum ppm ASTM D5185m >30 0 Aluminum ppm ASTM D5185m >30 0 Copper ppm ASTM D5185m >30 0 Vanadium ppm ASTM D5185m >0 0 Vanadium ppm ASTM D5185m >0 0 Vanadium ppm ASTM D5185m >0 0 Vanadium ppm ASTM D5185m >50 10 Vanadium ppm ASTM D5185m >0 0 Vanadium ppm ASTM D5185m 0 0 Vanadium ppm ASTM D5185m 0 0 0 -		Chromium		ASTM D5185m	>20				
Titanium		Nickel							
Aluminum ppm ASTM D5185m >30 4		Titanium		ASTM D5185m		0			
Lead		Silver		ASTM D5185m		0			
Copper		Aluminum	ppm	ASTM D5185m	>30	4			
Tin		Lead	ppm	ASTM D5185m	>30	0			
Vanadium		Copper	ppm	ASTM D5185m	>30	4			
White Metal Scalar Visual NONE NONE NONE Visual Visual Visual Visual Visual Visual NONE Visual Visual		Tin	ppm	ASTM D5185m	>20	0			
Yellow Metal scalar Visual NONE NO		Vanadium	ppm	ASTM D5185m		0			
Silicon ppm ASTM D5185m >50 10		White Metal	scalar	*Visual	NONE	NONE			
Potassium ppm ASTM D5185m >20 0		Yellow Metal	scalar	*Visual	NONE	NONE			
Potassium ppm ASTM D5185m >20 0	CONTAMINATION	Silicon	nnm	ΔSTM D5185m	<u>~50</u>	10			
Water									
Silt			PPIII						
Debris Scalar *Visual NONE LIGHT Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML NORML NORML Appearance Scalar *Visual NORML NORML NORML Debris Scalar *Visual NONE NORML NORML Debris Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual NORML NORML NORML Emulsified Water Scalar *Visual NORML			scalar						
Sand/Dirt scalar *Visual NONE NONE									
Appearance Scalar *Visual NORML NORM									
Odor Scalar *Visual NORML NORML Full Fu									
Emulsified Water scalar *Visual >0.2 NEG									
Boron ppm ASTM D5185m 111 192			scalar	*Visual					
Boron ppm ASTM D5185m 111 192	ELUID CONDITION	Sodium	nnm	ACTM DE105m		2			
Barium ppm ASTM D5185m 0.0 0 Molybdenum ppm ASTM D5185m 0.0 2 Manganese ppm ASTM D5185m 0.0 2 Magnesium ppm ASTM D5185m 39 0 Calcium ppm ASTM D5185m 93 60 Phosphorus ppm ASTM D5185m 920 1263 Zinc ppm ASTM D5185m 104 31 Sulfur ppm ASTM D5185m 20179 32325					111				
Molybdenum ppm ASTM D5185m 0.9 4 Manganese ppm ASTM D5185m 0.0 2 Magnesium ppm ASTM D5185m 39 0 Calcium ppm ASTM D5185m 93 60 Phosphorus ppm ASTM D5185m 920 1263 Zinc ppm ASTM D5185m 104 31 Sulfur ppm ASTM D5185m 20179 32325	The condition of the oil is acceptable for the time in service.								
Manganese ppm ASTM D5185m 0.0 2 Magnesium ppm ASTM D5185m 39 0 Calcium ppm ASTM D5185m 93 60 Phosphorus ppm ASTM D5185m 920 1263 Zinc ppm ASTM D5185m 104 31 Sulfur ppm ASTM D5185m 20179 32325									
Magnesium ppm ASTM D5185m 39 0 Calcium ppm ASTM D5185m 93 60 Phosphorus ppm ASTM D5185m 920 1263 Zinc ppm ASTM D5185m 104 31 Sulfur ppm ASTM D5185m 20179 32325		•							
Calcium ppm ASTM D5185m 93 60 Phosphorus ppm ASTM D5185m 920 1263 Zinc ppm ASTM D5185m 104 31 Sulfur ppm ASTM D5185m 20179 32325		_							
Phosphorus ppm ASTM D5185m 920 1263 Zinc ppm ASTM D5185m 104 31 Sulfur ppm ASTM D5185m 20179 32325		-							
Zinc ppm ASTM D5185m 104 31 Sulfur ppm ASTM D5185m 20179 32325									
Sulfur ppm ASTM D5185m 20179 32325									







Certificate L2367

Report Id: VOLVO0090 [WUSCAR] 06159458 (Generated: 04/26/2024 11:16:25) Rev: 1

Laboratory Sample No.

Lab Number : 06159458 Unique Number : 10994881

: VCP449609 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested**

: 25 Apr 2024 Diagnosed : 26 Apr 2024 - Jonathan Hester

ALTA EQUIPMENT COMPANY 5151 DR MARTIN LUTHER KING BLVD FORT MYERS, FL

US 33905 Contact: TODD LARK tlark@altaequipfl.com

F: (239)481-3302

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)

Contact/Location: TODD LARK - VOLVO0090

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