WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL ATTENTION

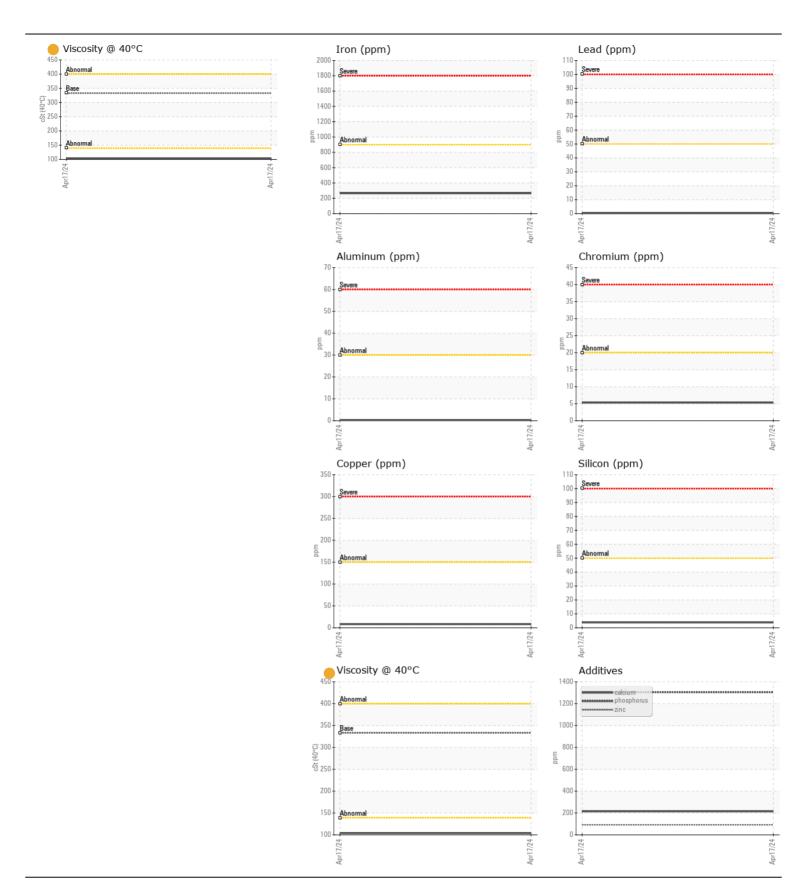
Area

[702216 ALTA RENTS] Wachine Id VOLVO A30G 753623

Bogie/Center Axle

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

No CP446160	VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (GAL)								
Sample Date Client Info 17 Agr 2024	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2	
Sample Date Client Info 74 pr 2024	Resample at the next service interval to monitor.	Sample Number		Client Info		VCP446160			
Cil Age hrs Cilent Info 0		Sample Date		Client Info		17 Apr 2024			
Filter Age		Machine Age	hrs	Client Info		749			
Oil Changed Client Info Not Changed Client Info Client Info Not Changed Client Info Client Info Not Changed Client Info Client Info Client Info Not Changed Client Info Client Info Client Info Not Changed Client Info		Oil Age	hrs	Client Info		0			
Filter Changed Sample Status Sample Stat		Filter Age	hrs	Client Info		0			
VEAR		Oil Changed		Client Info		Not Changd			
Iron		Filter Changed		Client Info		Not Changd			
Chromium ppm ASTM 05185m >20 5 Nickel ppm ASTM 05185m >10 2 Silver ppm ASTM 05185m >10 2 Silver ppm ASTM 05185m >0 ASTM 05185m >30 <1 ASTM 05185m >50 <1 Copper ppm ASTM 05185m >50 <1 Copper ppm ASTM 05185m >50 <1 Copper ppm ASTM 05185m >50 <1 Tin ppm ASTM 05185m >50 <1 Variadium ppm ASTM 05185m >50 <1 Valuer Visual NONE Valuer Visual NONE NONE Silicon ppm ASTM 05185m >50 4 Water Visual NONE MODER Sand/Dirt scalar Visual NONE MODER Sand/Dirt scalar Visual NONE NONE Appearance scalar Visual NONE NONE Appearance scalar Visual NORM NORM Appearance scalar Visual NORM NORM Appearance scalar Visual NORM NORM Appearance scalar Visual NORM NORM Appearance scalar Visual NORM NORM		Sample Status				ATTENTION			
Chromium ppm ASTM D5185m >20 5 Nickel ppm ASTM D5185m >10 2 Silver ppm ASTM D5185m >10 2 Silver ppm ASTM D5185m <1 Silver ppm ASTM D5185m >30 <1 ASTM D5185m >50 <1 Copper ppm ASTM D5185m >50 <1 Copper ppm ASTM D5185m >50 <1 Tin ppm ASTM D5185m >50 <1 Vanadium ppm ASTM D5185m >50 <1 Valer Visual NONE Contact Visual NONE Contact Visual NONE Silt scalar Visual NONE Sand/Dirt scalar Visual NONE Sand/Dirt scalar Visual NONE Appearance scalar Visual NONE Sand/Dirt scalar Visual NONE Appearance scalar Visual NONE Appearance scalar Visual NONE Appearance scalar Visual NORM NORM Appearance scalar Visual NORM NORM Appearance scalar Visual NORM NORM Appearance scalar Visual NORM NORM Appearance scalar Visual NORM NORM .	WEAR	Iron	ppm	ASTM D5185m	>900	265			
Nickel ppm ASTM DS185m >10 2 .	All component wear rates are normal.	Chromium		ASTM D5185m	>20	5			
Titanium ppm ASTM D5185m 0		Nickel				2			
Silver		Titanium				<1			
Lead ppm ASTM D5185m >50 <1		Silver		ASTM D5185m		0			
Copper ppm ASTM D5185m >150 8 Tin ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Vanadium ppm ASTM D5185m >20 <1 Ville Metal scalar "Visual NONE NONE NONE Vellow Metal scalar "Visual NONE NONE NONE Value Potassium ppm ASTM D5185m >20 4 Value Workethod >0.2 NEG Sit scalar "Visual NONE MODER Sit scalar "Visual NONE NONE NONE Sand/Dirt scalar "Visual NONE NONE Appearance scalar "Visual NORML		Aluminum	ppm	ASTM D5185m	>30	<1			
Tin		Lead	ppm	ASTM D5185m	>50	<1			
Vanadium ppm ASTM D5185m <1 White Metal scalar *Visual NONE NONE White Metal scalar *Visual NONE NONE Wolker Silicon ppm ASTM D5185m >50 4 Water WC Method >0.2 NEG Silt scalar *Visual NONE MODER Sand/Dirt scalar *Visual NONE MODER Debris scalar *Visual NONE MODER Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML NORML Appearance Scalar *Visual NORML NORML NORML Molybdenum ppm ASTM D5185m 11 259 Manganese ppm ASTM D5185m 0.0 3 Manganese ppm ASTM D5185m 93 215 Calcium ppm ASTM D5185m 93 215 Sulfur ppm ASTM D5185m 92 1305 Sulfur ppm ASTM D5185m 104 92 Sulfur ppm ASTM D5185m 20179 25090 Sulfur ppm ASTM D5185m 20179 25090		Copper	ppm	ASTM D5185m	>150	8			
White Metal Scalar *Visual NONE NO		Tin	ppm	ASTM D5185m	>20	<1			
Yellow Metal scalar *Visual NONE NONE		Vanadium	ppm	ASTM D5185m		<1			
Silicon ppm ASTM D5185m >50 4		White Metal	scalar	*Visual	NONE	NONE			
Potassium ppm ASTM D5185m >20 4 Water WC Method >0.2 NEG Silt scalar *Visual NONE MODER Debris scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORM		Yellow Metal	scalar	*Visual	NONE	NONE			
Potassium ppm ASTM D5185m >20 4 Water WC Method >0.2 NEG Silt scalar *Visual NONE MODER Debris scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORM	CONTAMINATION	Silicon	maa	ASTM D5185m	>50	4			
Water WC Method >0.2 NEG Silt scalar *Visual NONE MODER Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NOR	There is no indication of any contamination in the oil.								
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Scalar *Visual NORML Scalar *Visual S		Water				NEG			
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML NORML Odor scalar *Visual NORML		Silt	scalar	*Visual	NONE	MODER			
Appearance scalar *Visual NORML NORML Odor scalar *Visual NORML NORML Emulsified Water scalar *Visual NORML NORML NORML Emulsified Water scalar *Visual NORML NORM		Debris	scalar	*Visual	NONE	NONE			
Odor Scalar *Visual NORML NO		Sand/Dirt	scalar	*Visual	NONE	NONE			
Emulsified Water scalar *Visual >0.2 NEG		Appearance	scalar	*Visual	NORML	NORML			
Sodium ppm ASTM D5185m 1 Boron ppm ASTM D5185m 111 259 Barium ppm ASTM D5185m 0.0 3 Molybdenum ppm ASTM D5185m 0.0 12 Magnesium ppm ASTM D5185m 0.0 12 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 215 Phosphorus ppm ASTM D5185m 920 1305 Zinc ppm ASTM D5185m 104 92 Sulfur ppm ASTM D5185m 20179 25090		Odor	scalar	*Visual	NORML	NORML			
Boron ppm ASTM D5185m 111 259		Emulsified Water	scalar	*Visual	>0.2	NEG			
Boron ppm ASTM D5185m 111 259	FLUID CONDITION	Sodium	maa	ASTM D5185m		1			
Barium ppm ASTM D5185m 0.0 3 Molybdenum ppm ASTM D5185m 0.9 8 Manganese ppm ASTM D5185m 0.0 12 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 215 Phosphorus ppm ASTM D5185m 920 1305 Zinc ppm ASTM D5185m 104 92 Sulfur ppm ASTM D5185m 20179 25090					111				
Manganese ppm ASTM D5185m 0.0 12 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 215 Phosphorus ppm ASTM D5185m 920 1305 Zinc ppm ASTM D5185m 104 92 Sulfur ppm ASTM D5185m 20179 25090	The oil viscosity is lower triair normal. Commit oil type.								
Manganese ppm ASTM D5185m 0.0 12 Magnesium ppm ASTM D5185m 39 1 Calcium ppm ASTM D5185m 93 215 Phosphorus ppm ASTM D5185m 920 1305 Zinc ppm ASTM D5185m 104 92 Sulfur ppm ASTM D5185m 20179 25090		Molybdenum		ASTM D5185m	0.9	8			
Calcium ppm ASTM D5185m 93 215 Phosphorus ppm ASTM D5185m 920 1305 Zinc ppm ASTM D5185m 104 92 Sulfur ppm ASTM D5185m 20179 25090		Manganese				12			
Phosphorus ppm ASTM D5185m 920 1305 Zinc ppm ASTM D5185m 104 92 Sulfur ppm ASTM D5185m 20179 25090		Magnesium	ppm	ASTM D5185m	39	1			
Zinc ppm ASTM D5185m 104 92 Sulfur ppm ASTM D5185m 20179 25090		Calcium	ppm	ASTM D5185m	93	215			
Sulfur ppm ASTM D5185m 20179 25090		Phosphorus	ppm	ASTM D5185m	920	1305			
		Zinc	ppm	ASTM D5185m	104	92			
Visc @ 40°C cSt ASTM D445 333 104		Sulfur	ppm	ASTM D5185m	20179	25090			
		Visc @ 40°C	cSt	ASTM D445	333	104			





Certificate L2367

Laboratory Sample No.

Lab Number : 06156407 Unique Number: 10991830

: VCP446160

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested**

: 23 Apr 2024 : 24 Apr 2024 - Don Baldridge Diagnosed

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC 8418 PALM RIVER ROAD

TAMPA, FL US 33619

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* - 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)