WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

[SWA687919 USED]

FUCHS MHL340F2 340410/5529

Component Front Axle

Sample at the next service interval to monitor. Sample Number Sample Date Client Info 18 Mar 2024 Machine Age hrs Client Info 0 Machine Age hrs Client Info 0 Filter Age hrs Client Info 0 Oil Changed Client Info Changed Client Info Changed Oil Changed Client Info Changed Filter Changed Sample Status NORMAL VEAR	GEAR OIL SAE 80W90 (GAL)							
Sample Date Client Info 18 Mar 2024	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info 18 Mar 2024	Resample at the next service interval to monitor.	Sample Number		Client Info		VCP443514		
Oil Age hrs Client Info 0		Sample Date		Client Info		18 Mar 2024		
Filter Age		Machine Age	hrs	Client Info		6030		
Oil Changed Client Info Changed Client Info Changed Changed Client Info Changed Changed		Oil Age	hrs	Client Info		0		
Filter Changed Sample Status Simple Stat		Filter Age	hrs	Client Info		0		
VEAR Iron		Oil Changed		Client Info		Changed		
VEAR		Filter Changed		Client Info		Changed		
Chromium ppm ASTM 05185m >10 <1 Nickel ppm ASTM 05185m >10 0 Titanium ppm ASTM 05185m >10 0 Titanium ppm ASTM 05185m >10 0 Aluminum ppm ASTM 05185m 1 Aluminum ppm ASTM 05185m >25 <1 Aluminum ppm ASTM 05185m >25 <1 Lead ppm ASTM 05185m >50 16 Tin ppm ASTM 05185m >0 0 Tin ppm ASTM 05185m >0 0 Waradium ppm ASTM 05185m >0 0 White Metal scalar Visual NONE NONE NONE NONE Yellow Metal scalar Visual NONE		Sample Status				NORMAL		
Chromium ppm ASTM 05185m >10 <1 Nickel ppm ASTM 05185m >10 0 Titanium ppm ASTM 05185m >10 0 Titanium ppm ASTM 05185m >10 0 Aluminum ppm ASTM 05185m 1 Aluminum ppm ASTM 05185m >25 <1 Aluminum ppm ASTM 05185m >25 <1 Lead ppm ASTM 05185m >50 16 Tin ppm ASTM 05185m >0 0 Tin ppm ASTM 05185m >0 0 Waradium ppm ASTM 05185m >0 0 White Metal scalar Visual NONE NONE NONE NONE Yellow Metal scalar Visual NONE	WEAR	Iron	ppm	ASTM D5185m	>500	41		
Nickel ppm ASTM DS185m >10 0		Chromium		ASTM D5185m	>10	<1		
Titanium ppm ASTM DS185m	All component wear rates are normal.	Nickel				0		
Aluminum ppm ASTM D5185m >25 <1		Titanium				0		
Aluminum ppm ASTM D5185m >25 <1 Lead ppm ASTM D5185m >25 2 Copper ppm ASTM D5185m >50 16 Tin ppm ASTM D5185m >10 1 Vanadium ppm ASTM D5185m >10 1 White Metal scalar *Visual NONE NONE Water % ASTM D5185m >75 3 Water % ASTM D5185m >20 <1 Water % ASTM D5185m >20 <2 0.295 Water % ASTM D5185m >20 <2 0.295 Water % ASTM D5185m >20 0 Water % ASTM D5185m >20 0 Water % ASTM D5185m >20 0 Water % ASTM D5185m >2 <2 Water								
Lead ppm ASTM D5185m >25 2		Aluminum		ASTM D5185m	>25	<1		
Tin		Lead	ppm	ASTM D5185m	>25	2		
Vanadium ppm ASTM D5185m 0 White Metal scalar *Visual NONE NONE NONE Value NONE		Copper	ppm	ASTM D5185m	>50	16		
White Metal Scalar Visual NONE NONE NONE NONE Visual NONE N		Tin	ppm	ASTM D5185m	>10	1		
Yellow Metal scalar "Visual NONE SONTAMINATION Silicon ppm ASTM D5185m >75 3 Potassium ppm ASTM D5185m >20 <1 Potassium ppm ASTM D5185m >20 <1 Potassium ppm ASTM D5185m >20 <1 Potassium ppm ASTM D6304 >0.2 0.419 Ppm Water ppm ASTM D6304 >2000 4190 Silt scalar "Visual NONE NONE Potassium ppm ASTM D6304 >0.2 0.419 Potassium ppm ASTM D6305 20 20 20 Potassium ppm ASTM D6305 20 20 20 Potassium ppm ASTM D6305 20 20 20 Potassium ppm ASTM D6305 20 20 20 20 Potassium ppm ASTM D6305 20 20 20 20 20 20 20		Vanadium	ppm	ASTM D5185m		0		
Silicon ppm ASTM D5185m >75 3		White Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 <1		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 <1	CONTAMINATION	Silicon	nnm	ASTM D5185m	>75	3		
Water 9% ASTM D6304 > 0.2 0.419	There is no indication of any contamination in the oil.							
Debris Scalar Visual NONE NONE NONE Sand/Dirt Scalar Visual NORM								
Silt scalar *Visual NONE NONE NONE								
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NORML NORML Scalar *Visual NORML NORML NORML Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual NORML NORML Scalar *Visual Scalar *Visual NORML NORML Scalar *Visual Scalar *Visual NORML NORML Scalar *Visual NORML *Visual NORML *Visual NORML *Visual NORML *Visual *Visual NORML *Visual NORML *Visual NORML *Visual								
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORML Odor Scalar *Visual NORML Odor Odor Odor NORML								
Appearance Scalar *Visual NORML NORML Codor Cod								
Codor		Appearance	scalar	*Visual	NORML	NORML		
Emulsified Water scalar *Visual >0.2 0.2%					NORML			
Boron ppm ASTM D5185m 400 8		Emulsified Water	scalar	*Visual	>0.2			
Boron ppm ASTM D5185m 400 8	ELUID CONDITION	Sodium	nnm	ΔSTM D5185m	~170	· · · · · · · · · · · · · · · · · · ·		
Barium ppm ASTM D5185m 200 0 Molybdenum ppm ASTM D5185m 12 4 Magnesium ppm ASTM D5185m 12 104 Calcium ppm ASTM D5185m 150 3332 Phosphorus ppm ASTM D5185m 1650 942 Zinc ppm ASTM D5185m 125 1143 Sulfur ppm ASTM D5185m 22500 2973								
Molybdenum ppm ASTM D5185m 12 4 Manganese ppm ASTM D5185m <1	The condition of the oil is acceptable for the time in service.							
Manganese ppm ASTM D5185m <1								
Magnesium ppm ASTM D5185m 12 104 Calcium ppm ASTM D5185m 150 3332 Phosphorus ppm ASTM D5185m 1650 942 Zinc ppm ASTM D5185m 125 1143 Sulfur ppm ASTM D5185m 22500 2973		•						
Calcium ppm ASTM D5185m 150 3332 Phosphorus ppm ASTM D5185m 1650 942 Zinc ppm ASTM D5185m 125 1143 Sulfur ppm ASTM D5185m 22500 2973		-			12			
Phosphorus ppm ASTM D5185m 1650 942 Zinc ppm ASTM D5185m 125 1143 Sulfur ppm ASTM D5185m 22500 2973		-						
Zinc ppm ASTM D5185m 125 1143 Sulfur ppm ASTM D5185m 22500 2973								
Sulfur ppm ASTM D5185m 22500 2973								





Laboratory Sample No.

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

Lab Number : 06124029 Unique Number: 10938180 Test Package: MOB 1 (Additional Tests: KF)

: VCP443514

Received **Tested**

Diagnosed

: 20 Mar 2024 : 21 Mar 2024

: 22 Mar 2024 - Don Baldridge

ALTA EQUIPMENT CO - ORLAND PARK 5000 INDUSTRIAL HWY GARY, IN

US 46406 Contact: DAVE ENG DAVE.ENG@ALTG.COM T: (312)350-2560

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)

Report Id: VOLVO8885 [WUSCAR] 06124029 (Generated: 03/22/2024 20:29:28) Rev: 1

Contact/Location: DAVE ENG - VOLVO8885