WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL



Area [646971]
Machine Id VOLVO EC380 311542

Swing Drive

L 80W-90 GL-5	٠,	:: <del>::</del> /				
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP452295		
Sample Date		Client Info		20 Dec 2023		
Machine Age	hrs	Client Info		3878		
Oil Age	hrs	Client Info		1000		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Not Changd		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185m	>1200	128		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	2		
Lead	ppm	ASTM D5185m	>50	0		
Copper	ppm	ASTM D5185m	>50	3		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>100	7		
Potassium	ppm	ASTM D5185m	>20	<1		
Water		WC Method	>0.25	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.25	NEG		
Sodium	ppm	ASTM D5185m		0		
Boron	ppm	ASTM D5185m	379	123		
Barium	ppm			0		
Molybdenum	ppm			0		
Manganese	ppm			<1		
Magnesium	ppm			0		
Calcium	ppm			31		
Phosphorus	ppm			1596		
	ppm					
Sulfur	ppm	ASTM D5185m	23526	16361		
	Test Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Test UOM Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status  Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Molybdenum ppm Manganese ppm Magnesium ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus Zinc ppm	Test UOM Method Sample Number Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Oil Changed Client Info Oil Changed Client Info Sample Status  Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Silver ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar Visual  Silicon ppm ASTM D5185m Whater WC Method Silt scalar Visual Silt scalar Visual Sand/Dirt scalar Visual Codor scalar Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m Mastm D5185m Manganese ppm ASTM D5185m Mastm D5185m Magnesium ppm ASTM D5185m Mastm D5185m Mastm D5185m Mastm D5185m Manganese ppm ASTM D5185m Mastm D5185m Mastm D5185m Manganese ppm ASTM D5185m Mastm D5185m	Test UOM Method Limit/Abn Sample Number Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Client Info Sample Status  Iron ppm ASTM D5185m >1200 Chromium ppm ASTM D5185m >10 Nickel ppm ASTM D5185m >10 Titanium ppm ASTM D5185m >50 Copper ppm ASTM D5185m >50 Copper ppm ASTM D5185m >50 Copper ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >00 Vanadium ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >100 Potassium ppm ASTM D5185m >20 Vater WC Method >0.25 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance 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 Appeara	Test	Test







Certificate L2367

Report Id: FERDET [WUSCAR] 06057006 (Generated: 01/11/2024 13:37:44) Rev: 1

Laboratory Sample No. Lab Number **Unique Number** 

: VCP452295 : 06057006 : 10822955 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 10 Jan 2024 Diagnosed : 11 Jan 2024

: Wes Davis Diagnostician

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)

FERROUS PROCESSING AND TRADING

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