

WEAR CONTAMINATION FLUID CONDITION **ABNORMAL ABNORMAL NORMAL**



VOLVO ECR235 314138

) (2 GAL)						
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0886322	VCP319141	VCP322911
Sample Date		Client Info		09 Feb 2024	19 Oct 2021	21 Jun 2021
Machine Age	hrs	Client Info		4085	2031	1823
Oil Age	hrs	Client Info		500	500	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	^ 722	96	156
Chromium	ppm	ASTM D5185m	>10	<u>^</u> 8	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	22	<1	0
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	<1	<1	1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 126	5	6
Potassium	ppm	ASTM D5185m	>20	6	2	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	<1	<1
Boron	ppm	ASTM D5185m		165	186	169
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		17	18	16
Manganese	ppm	ASTM D5185m		7	<1	1
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Magnesium	ppm	ASTM D5185m		147	140	109
Magnesium Calcium	ppm	ASTM D5185m		561	541	510
Magnesium						
	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 Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	Test UOM Sample Number Sample Date Machine Age hrs Oil 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 Silicon ppm Potassium ppm Water Silt scalar Silt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water Sodium ppm Boron ppm Barium 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 Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Silver ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Water WC Method Sitt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Codor scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Potassim ppm ASTM D5185m Visual Sand/Dirt scalar *Visual Sodium ppm ASTM D5185m Potassium ppm ASTM D5185m Nater Scalar *Visual Sand/Dirt scalar *Visual Sand/Dirt scalar *Visual Sodium ppm ASTM D5185m Potassium ppm ASTM D5185m Nater Scalar *Visual Sand/Dirt scalar *Visual Sand/Dirt scalar *Visual Sodium ppm ASTM 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 >500 Chromium ppm ASTM D5185m >10 Nickel ppm ASTM D5185m >10 Nickel ppm ASTM D5185m >25 Lead ppm ASTM D5185m >25 Lead ppm ASTM D5185m >25 Copper ppm ASTM D5185m >25 Copper ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >10 Vanadium ppm ASTM D5185m >00 Vanadium ppm ASTM D5185m >25 Silicon ppm ASTM D5185m >00 Vanadium ppm ASTM D5185m >00 Valer WC Method >0.2 Silt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sand/Dirt scalar *Visual NONE Appearance scalar *Visual NONE Appearance scalar *Visual NONE Sand/Dirt scalar *Visual NORML Debris scalar *Visual NORML	Test	Test

Sulfur

Visc @ 40°C

ASTM D5185m

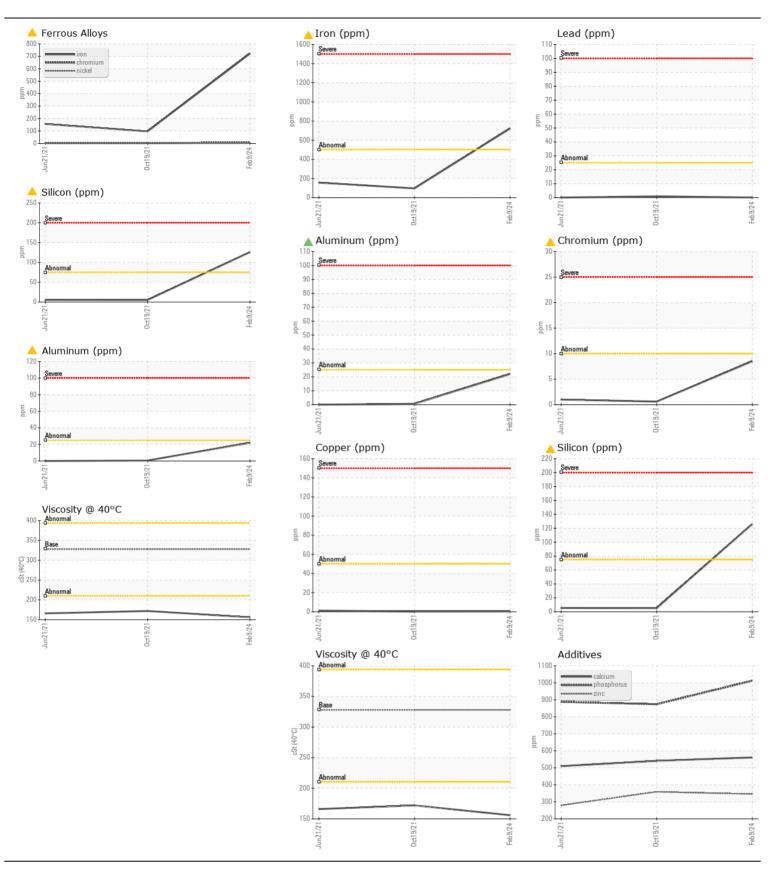
ASTM D445 328

ppm

21746

156

19202 17354





Certificate L2367

Laboratory Sample No.

: WC0886322 Lab Number : 06088395 Unique Number : 10875840

Test Package : MOBCE

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 13 Feb 2024 Received : 14 Feb 2024 **Tested**

: 15 Feb 2024 - Sean Felton Diagnosed

MCCLUNG-LOGAN EQUIPMENT CO - MANASSAS

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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. T: (703)393-7344 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (703)393-7844