OIL ANALYSIS REPORT

WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL NORMAL NORMAL**

Machine Id

CCS MERCEDES

Lower Diesel Engine

DIESEL ENGINE OIL SAE 5W40 (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06152663		
Sample Date		Client Info		04 Apr 2024		
Machine Age	mls	Client Info		70000		
Oil Age	mls	Client Info		0		
Filter Age	mls	Client Info		0		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
Iron	ppm	ASTM D5185m	>100	9		
Chromium		ASTM D5185m	>20			
			>3			
			NONE			
Silicon	ppm	ASTM D5185m	>25	4		
Potassium	ppm	ASTM D5185m	>20	3		
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	6.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5		
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	>0.2	NEG		
	ppm					
•			100			
			450			
_						
	ppm					
Zinc	ppm	ASTM D5185m	1350	1110		
Sulfur	ppm	ASTM D5185m		3810		
	Abs/.1mm	*ASTM D5185m *ASTM D7414 ASTM D2896	>25	3810 16.2 8.51		
	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 Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	Sample Number Sample Date Machine Age mls Oil Age mls Filter Age mls 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 Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium calcium ppm Calcium ppm Phosphorus ppm	Sample Number Sample Date Machine Age Oil Age Mls Client Info Client Info Client Info Client Info Machine Age Mls Client Info ASTM D5185m	Sample Number Sample Date Client Info Machine Age MIS Client Info Oil Age MIS Client Info Client Info Oil Age MIS Client Info Client Info Oil Changed Client Info Filter Changed Sample Status Iron Chromium Dpm ASTM D5185m Silver Dpm ASTM D5185m Spr AVisual Done Done Done Done Done Done Done Done	Sample Number Client Info TR06152663 Sample Date Client Info 04 Apr 2024 Machine Age mls Client Info 70000 Oil Age mls Client Info 0 Filter Age mls Client Info 0 Oil Changed Client Info Not Changd Filter Changed Client Info Not Changd Sample Status ASTM D5185m Not Changd Iron ppm ASTM D5185m >100 Chromium ppm ASTM D5185m >20 <1	Sample Number Client Info Sample Date Client Info O4 Apr 2024





Certificate L2367

Laboratory Sample No.

: TR06152663 Lab Number : 06152663 Unique Number : 10982741 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Apr 2024 **Tested** : 18 Apr 2024

: 22 Apr 2024 - Sean Felton Diagnosed

CCS CONSTRUCTORS

138 MUNSON AVE MORRISVILLE, VT US 05661

Contact: SCOTT BURRELL

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

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