WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

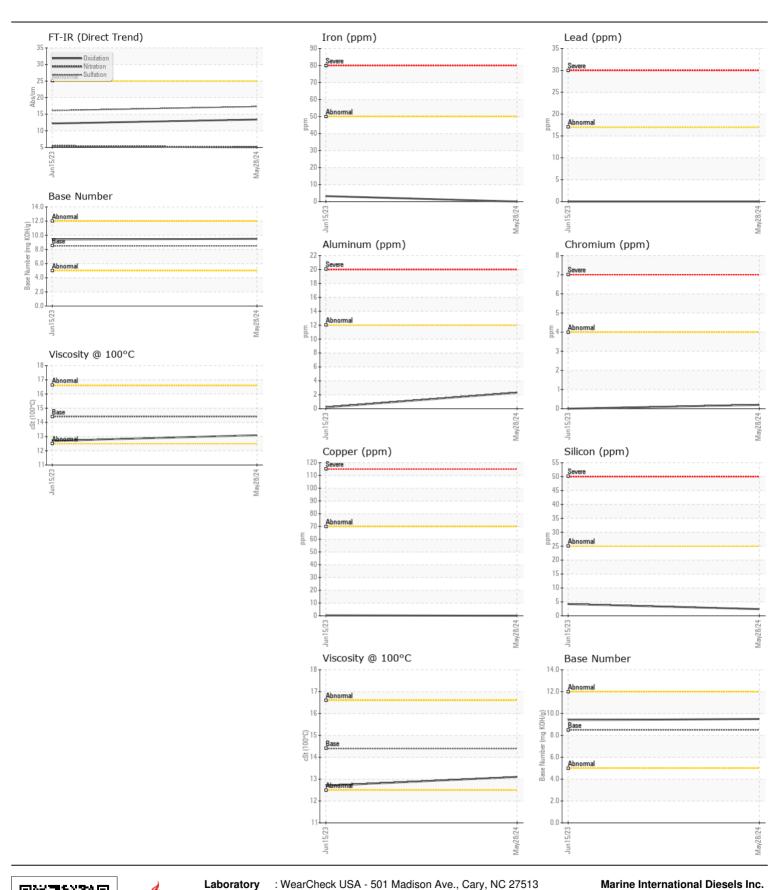
FREE TRADE 255

CUMMINS/ONAN K180453944

Component Genset

DIESEL ENGINE OIL SAF 15W40 (5 OTS)

Test Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	hrs hrs hrs ppm ppm ppm ppm ppm	Method Client Info ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>4	Current VPA062996 28 May 2024 0 0 0 N/A N/A NORMAL	History1 VPA041428 15 Jun 2023 888 0 0 Not Changd N/A NORMAL	History2
Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	hrs hrs hrs ppm ppm ppm ppm	Client Info ASTM D5185m ASTM D5185m ASTM D5185m	>4	VPA062996 28 May 2024 0 0 0 0 N/A N/A NORMAL 0 <1	VPA041428 15 Jun 2023 888 0 0 Not Changd N/A NORMAL	
Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm ppm	Client Info ASTM D5185m ASTM D5185m ASTM D5185m	>4	0 0 0 N/A N/A NORMAL	888 0 0 Not Changd N/A NORMAL	
Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm ppm	Client Info Client Info Client Info Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m	>4	0 0 0 N/A N/A NORMAL	888 0 0 Not Changd N/A NORMAL	
Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm ppm	Client Info Client Info Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m	>4	0 N/A N/A NORMAL 0 <1	0 Not Changd N/A NORMAL	
Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm ppm	Client Info Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m	>4	0 N/A N/A NORMAL 0 <1	0 Not Changd N/A NORMAL	
Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm ppm	Client Info Client Info ASTM D5185m ASTM D5185m ASTM D5185m	>4	N/A N/A NORMAL 0 <1	Not Changd N/A NORMAL	
Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>4	N/A NORMAL 0 <1	N/A NORMAL	
Sample Status Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>4	NORMAL 0 <1	NORMAL 3	
Chromium Nickel Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m	>4	0 <1		
Chromium Nickel Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m	>4	<1		
Nickel Titanium Silver Aluminum	ppm	ASTM D5185m			0	
Titanium Silver Aluminum	ppm		>2			
Silver Aluminum		ASTM D5185m		0	0	
Aluminum	ppm			0	0	
		ASTM D5185m		0	0	
1 1	ppm	ASTM D5185m	>12	2	<1	
Lead	ppm	ASTM D5185m		0	0	
Copper	ppm	ASTM D5185m		0	<1	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>25	2	4	
	• •					
	PP					
			70.1			
	0/2					
			>20			
			-			
			-	-		
Emuisitied Water	scalar	visuai	>0.1	NEG	NEG	
Sodium	ppm	ASTM D5185m	>158	2	3	
		ASTM D5185m	250	3	0	
Barium	ppm			0	0	
	ppm			58	62	
-	ppm	ASTM D5185m		0	0	
Magnesium	• •		450			
9						
	Tin Vanadium White 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 Zinc Sulfur Oxidation Base Number (BN)	Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.mm 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 ppm Calcium ppm Phosphorus Zinc ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm	Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Fuel WC Method Water WC Method Glycol WC Method Soot % *ASTM D7844 Nitration Abs/cm *ASTM D7624 Sulfation Abs/.tmm *ASTM D7415 Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Appearance scalar *Visual Emulsified Water scalar *Visual Emulsified Water scalar *Visual Sodium ppm ASTM D5185m Barium ppm ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m Calcium ppm ASTM D5185m	Tin ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m NONE White Metal scalar *Visual NONE Yellow Metal scalar *Visual NONE Silicon ppm ASTM D5185m >25 Potassium ppm ASTM D5185m >20 Fuel WC Method >4.0 Water WC Method >0.1 Glycol WC Method >0.1 Soot % % *ASTM D7844 NOR4 Nitration Abs/cm *ASTM D7844 NONE Sulfation Abs/cm *ASTM D7844 NONE Sulfation Abs/cm *ASTM D7415 >30 Silt scalar *Visual NONE Sulfation Scalar *Visual NONE Sand/Dirt scalar *Visual NORM Appearance scalar *Visual NORM Appearance scalar *Visual NORM	Tin ppm ASTM D5185m >15 0 Vanadium ppm ASTM D5185m 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >25 2 Potassium ppm ASTM D5185m >20 1 Fuel WC Method >4.0 <1.0	Tin ppm ASTM D5185m >15 0 0 Vanadium ppm ASTM D5185m 0 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NONE Silicon ppm ASTM D5185m >25 2 4 Potassium ppm ASTM D5185m >20 1 2 Fuel WC Method >4.0 <1.0





Laboratory Sample No.

Lab Number : 06220989 Unique Number : 11099186

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : VPA062996

Received **Tested**

: 27 Jun 2024 Diagnosed

: 27 Jun 2024 - Don Baldridge

: 26 Jun 2024

Contact: ASHANTI BURKE aburke@midiflorida.com T: (954)761-1086

3600 HACIENDA BLVD UNIT G

F: (954)761-1186 Contact/Location: ASHANTI BURKE - VP694356

Test Package : MOB 1 (Additional Tests: TBN) Certificate L2367 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) DAVIE, FL

US 33314