WEAR
CONTAMINATION
FLUID CONDITION

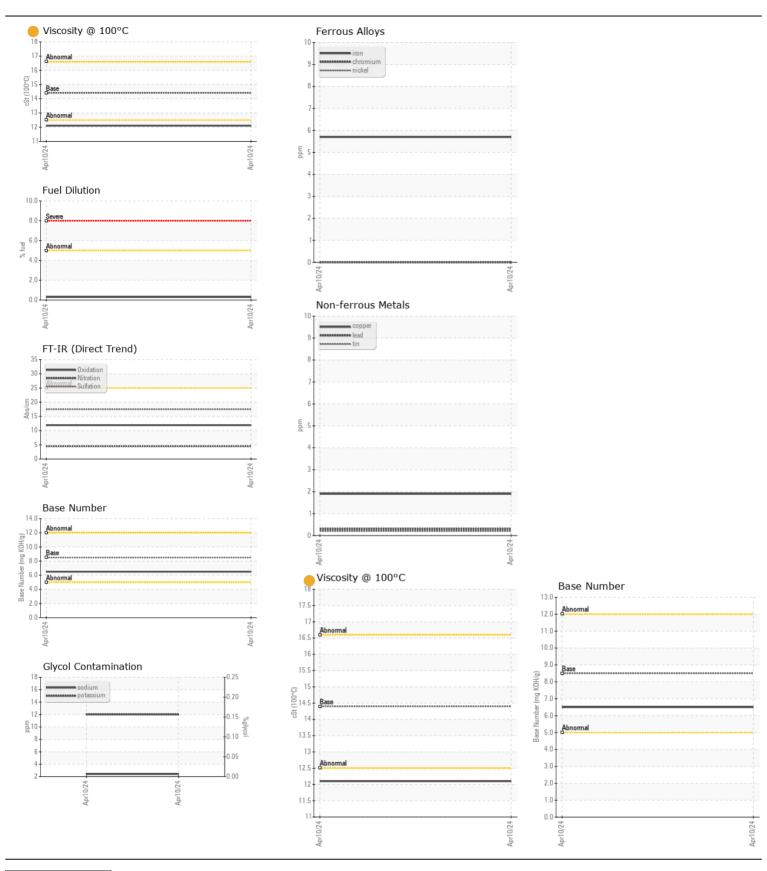
NORMAL NORMAL ATTENTION

Machine Id

9701

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0913780		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		10 Apr 2024		
	Machine Age	hrs	Client Info		2334		
	Oil Age	hrs	Client Info		250		
	Filter Age	hrs	Client Info		250		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ATTENTION		
/EAR	Iron	ppm	ASTM D5185m	>100	6		
	Chromium	ppm	ASTM D5185m	>20	0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	710	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon		ACTM DE10Em	. 05			
CONTAMINATION		ppm	ASTM D5185m		3 12		
Fuel content negligible. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m				
	Fuel	%	ASTM D3524		0.3		
	Water	0/	WC Method	>0.2	NEG		
	Glycol	%	*ASTM D2982	0	NEG		
	Soot %	% Ala a /ave	*ASTM D7844		0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	4.5		
	Sulfation	Abs/.1mm	*ASTM D7415		17.5		
	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		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>158	2		
The all of a self-time is because the consequent. The DNI was the first and the t	Boron	ppm	ASTM D5185m	250	270		
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m	10	0		
	Molybdenum	ppm	ASTM D5185m	100	63		
	Manganese	ppm	ASTM D5185m		0		
	Magnesium	ppm	ASTM D5185m	450	428		
	Calcium	ppm	ASTM D5185m		1072		
	Phosphorus	ppm	ASTM D5185m		847		
	Zinc	ppm	ASTM D5185m		1035		
	Sulfur	ppm	ASTM D5185m		3101		
	Oxidation	Abs/.1mm	*ASTM D7414		11.9		
	Base Number (BN)	mg KOH/q	ASTM D2896		6.5		
	( )	0 - 3	ASTM D445		12.1		







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06150971

: WC0913780 Unique Number: 10981049

Received **Tested** 

Diagnosed

: 22 Apr 2024

: 16 Apr 2024

: 22 Apr 2024 - Jonathan Hester Test Package : CONST ( Additional Tests: FuelDilution, Glycol, PercentFuel, TBN )

**SULLIVAN EASTERN INC** 2860 C SLATER RD MORRISVILLE, NC US 27560 Contact: SCOTT SULLIVAN

ssullivan@sullivaneastern.com 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.

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