**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL ATTENTION** 

Machine Id CT-22

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
	Sample Number		Client Info		WC0727970		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		04 Jan 2024		
	Machine Age	hrs	Client Info		328		
	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	31		
	Chromium	ppm	ASTM D5185m		3		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m	7 7	0		
	Silver	ppm	ASTM D5185m	<b>\3</b>	0		
	Aluminum	ppm	ASTM D5185m		15		
	Lead	ppm	ASTM D5185m		<1 <1		
	Copper	ppm	ASTM D5185m		44		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m	7.0	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTARINATION	0.11.		AOTA DE LOS	05			
CONTAMINATION	Silicon	ppm	ASTM D5185m		10		
Fuel content negligible. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		0		
	Fuel	%	ASTM D3524		1.1		
	Water		WC Method	>0.2	NEG		
	Glycol	0/	WC Method	0	NEG		
	Soot %	%	*ASTM D7844		0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	5.4		
	Sulfation	Abs/.1mm	*ASTM D7415		19.8		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML		
	Emulsified Water		*Visual		NORML NEG		
<u></u>	Elliuisilleu vvalei	scalar	VISUAI	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		3		
	Boron	ppm	ASTM D5185m		193		
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		3		
	Molybdenum	ppm	ASTM D5185m		46		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		311		
	Calcium	ppm	ASTM D5185m		2220		
	Phosphorus	ppm	ASTM D5185m	1360	913		
	Zinc	ppm	ASTM D5185m		1068		
	Sulfur	ppm	ASTM D5185m		3141		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2		
	Base Number (BN)		ASTM D2896		9.0		
	Visc @ 100°C	cSt	ASTM D445		<b>▲</b> 11.8		







Certificate L2367

Laboratory Sample No. Lab Number

: 06061823 : 10833205 **Unique Number** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0727970

Recieved Diagnosed

: 16 Jan 2024 : 18 Jan 2024 Diagnostician : Don Baldridge

**Test Package**: FLEET (Additional Tests: FuelDilution, PercentFuel) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: LARRY KNIGHT larry@associatedterminals.com T: (985)651-0026

Contact/Location: LARRY KNIGHT - ASSLAP

**ASSOCIATED TERMINALS - MOBILE EQUIPMENT** 

\* - 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)

F: (985)651-2099

LAPLACE, LA

US 70068