

## E-Town Yard Machine Id KENWORTH TRUCK 132

Diesel Engine

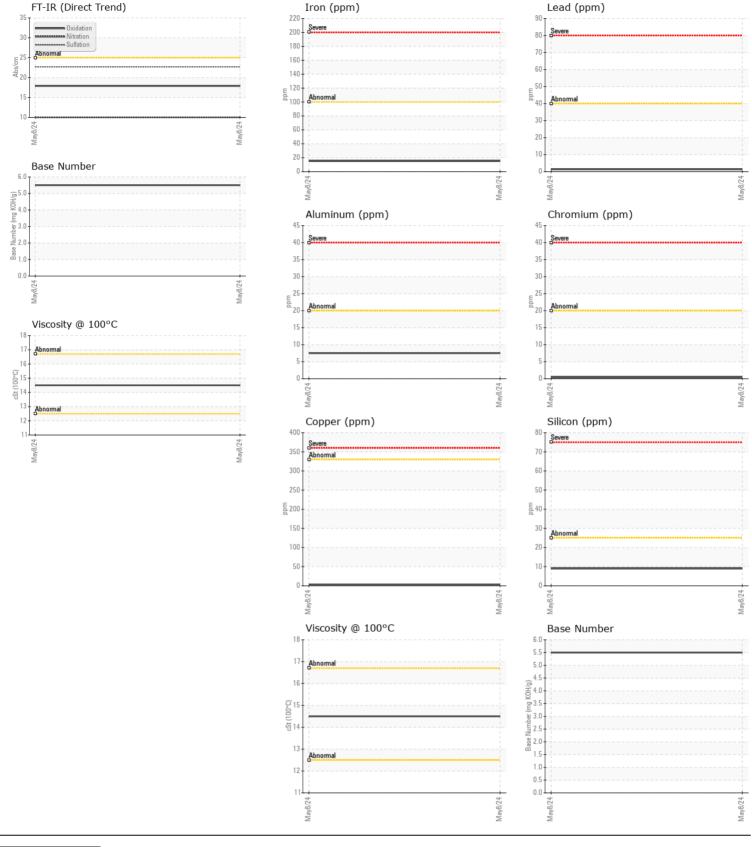
GUARD PLUS 15W40 CK9 (--- GAL)

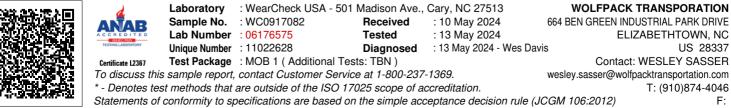
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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0917082		
Resample at the next service interval to monitor.	Sample Date		Client Info		08 May 2024		
	Machine Age	hrs	Client Info		260190		
	Oil Age	hrs	Client Info		22811		
	Filter Age	hrs	Client Info		22811		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m		15		
	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>4	<1		
	Titanium	ppm	ASTM D5185m	0	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		8		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		3		
	Tin	ppm	ASTM D5185m	>15	1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	nnm	ASTM D5185m	. 05	0		
	Potassium	ppm	ASTM D5185m		9 7		
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		، <1.0		
	Water		WC Method		NEG		
	Glycol		WC Method	>0.2	NEG		
	Soot %	%	*ASTM D7844	. 2	0.5		
	Nitration	Abs/cm	*ASTM D7644		10.0		
	Sulfation	Abs/.1mm	*ASTM D7624	>20	22.7		
	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		*Visual	>0.2	NEG		
		Scalai	visuai	>0.2	NEG		
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m		0		
	Boron	ppm	ASTM D5185m		16		
	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		95		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		41		
	Calcium	ppm	ASTM D5185m		2197		
	Phosphorus	ppm	ASTM D5185m		1047		
	Zinc	ppm	ASTM D5185m		1178		
	Sulfur	ppm	ASTM D5185m		3675		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.9		
			ASTM D2896	~20	5.5		
		ing itoning	AOTA D 445		0.0		

Visc @ 100°C cSt

ASTM D445

14.5





Submitted By: WESLEY SASSER Page 2 of 2