OIL ANALYSIS REPORT

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

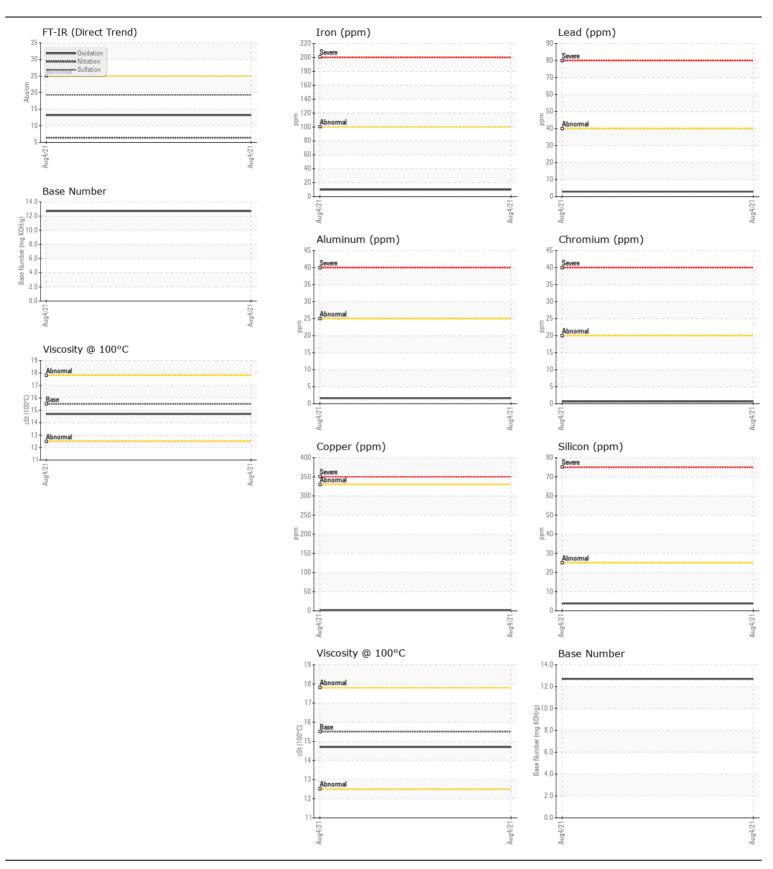
Machine Id

KENWORTH 97 KENWORTH

Diesel Engine

TRC PRO-SPEC III SYNTHETIC BLEND 15W40 (10 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
ALCOMMENDATION	Sample Number	OOW	Client Info	LIIIIII/ADII	TR05323624		
Resample at the next service interval to monitor.	Sample Date		Client Info		04 Aug 2021		
	Machine Age	mls	Client Info		92856		
	Oil Age	mls	Client Info		12856		
	Filter Age	mls	Client Info		12856		
	Oil Changed	0	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	10		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1		
	Nickel	ppm	ASTM D5185m	>2	<1		
	Titanium	ppm	ASTM D5185m	>2	<1		
	Silver	ppm	ASTM D5185m	>2	0		
	Aluminum	ppm	ASTM D5185m	>25	2		
	Lead	ppm	ASTM D5185m	>40	3		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m	>15	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Ciliana		ACTM DE10E	05	4		
CONTAMINATION	Silicon	ppm	ASTM D5185m		4		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		2		
	Fuel		WC Method		<1.0		
	Water		WC Method WC Method	>0.2	NEG NEG		
	Glycol Soot %	%		. 0			
	Nitration		*ASTM D7844 *ASTM D7624		0.2 6.4		
	Sulfation	Abs/.1mm	*ASTM D7624				
	Silt	scalar	*Visual	NONE	19.3 NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE NORML		
	Appearance Odor	scalar scalar	*Visual	NORML NORML	NORML		
	Emulsified Water		*Visual	>0.2	NEG		
·	Liliuisilleu vvalei	Scalai	Visuai	>0.2			
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3		
	Boron	ppm	ASTM D5185m		5		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		13		
	Calcium	ppm	ASTM D5185m		4554		
	Phosphorus	ppm	ASTM D5185m		1222		
	Zinc	ppm	ASTM D5185m		1318		
	Sulfur	ppm	ASTM D5185m		5011		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.2		
	Base Number (BN)			-	12.7		
	Dase Mulliper (DIM)	IIIg KOII/u					





Certificate L2367

Laboratory Sample No.

Lab Number : 05323624 Unique Number : 9617621 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : TR05323624

Received : 10 Aug 2021 **Tested** : 11 Aug 2021 Diagnosed

: 11 Aug 2021 - Wes Davis

SHELBY SMITH

DALHART, TX US 79022 Contact: MIKE LEWIS

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)

T:

F: