

OIL ANALYSIS REPORT

TRUCK - URBAN **KENWORTH 42**

Component **Diesel Engine** SHELL Rotella T5 15W-40 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the oil.

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.



Sample Rating Trend



NORMAL

				Aug2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PE0002395		
Sample Date		Client Info		10 Aug 2023		
Machine Age	hrs	Client Info		910		
Oil Age	hrs	Client Info		370		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Glycol		WC Method		NEG		
WEAR METALS	-	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	22		
Chromium	ppm	ASTM D5185m	>20	4		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>40	4		
Copper	ppm	ASTM D5185m	>330	6		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		107		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		57		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		105		
Calcium	ppm	ASTM D5185m		2149		
Phosphorus	ppm	ASTM D5185m		1026		
Zinc	ppm	ASTM D5185m		1277		
Sulfur	ppm	ASTM D5185m		4382		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	5		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	7.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.2		
Base Number (BN)	mg KOH/g	ASTM D2896	10	7.2		



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Aug10/23

Base

OIL ANALYSIS REPORT

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NONE

NONE

NONE

NONE

White Metal

Yellow Metal

Precipitate

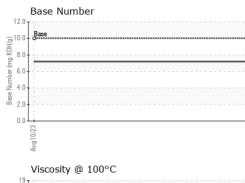
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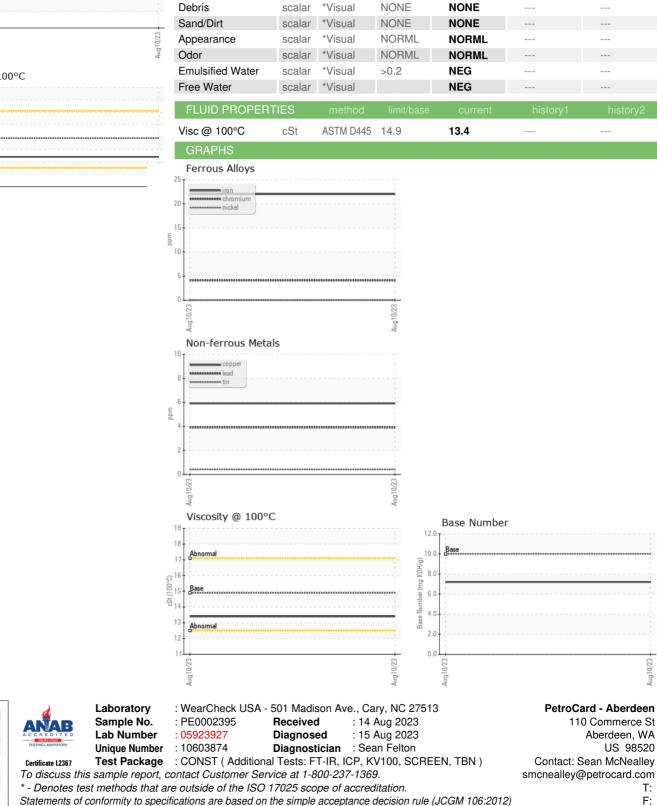
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