

## **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

### Machine Id KENWORTH T800 2403 (S/N 1NKMHD7X6YM861121)

Diesel Engine

Fluid SHELL ROTELLA T 15W40 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### 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.

				Mar2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0878862		
Sample Date		Client Info		28 Mar 2024		
Vachine Age	mls	Client Info		233514		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	Ν	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	6		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	1		
_ead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	3		
Tin ,	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	316	72		
Barium	ppm	ASTM D5185m	0.0	0		
Volybdenum	ppm	ASTM D5185m	1.2	21		
Vanganese	ppm	ASTM D5185m		0		
Vagnesium	ppm	ASTM D5185m	24	157		
Calcium	ppm	ASTM D5185m	2292	2327		
Phosphorus	ppm	ASTM D5185m	1064	1034		
Zinc	ppm	ASTM D5185m	1160	1208		
Sulfur	ppm	ASTM D5185m		4658		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>25	4		
Sodium	ppm	ASTM D5185m	. 00	1		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	5.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1		
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	10.7		
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	8.3		



3

30

25

Abs/cm

10

12.0

(B/HOX Bul) (MG KOH/d)

6.0

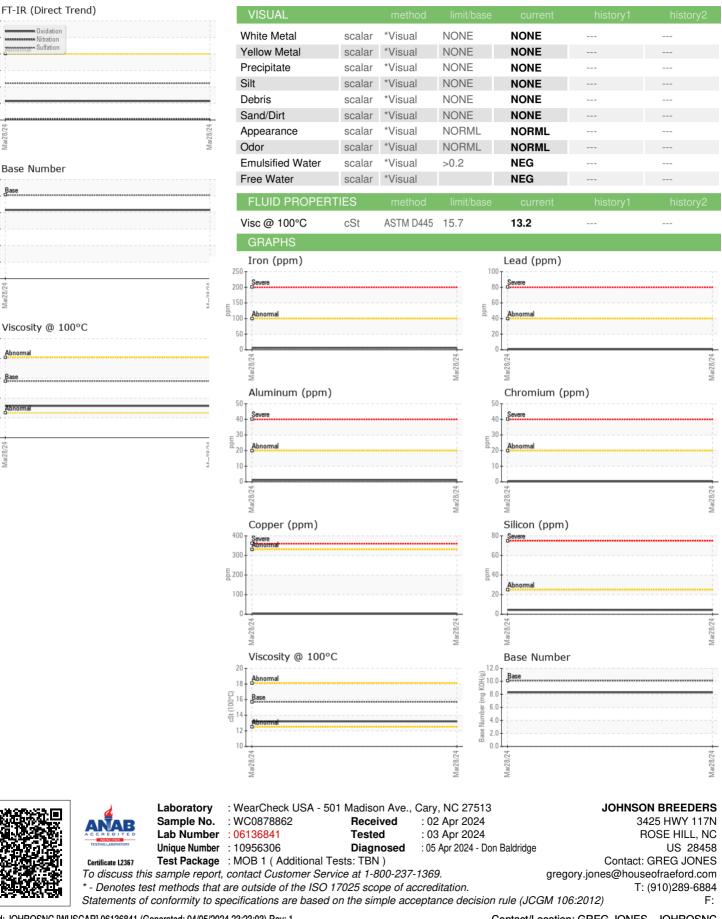
unu 4.0

20

cSt (100°C)

10 Mar28/24

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