

## **OIL ANALYSIS REPORT**

### Area (SB87098) OLANDER BUS SERVICE INTERNATIONAL 7985-18

Diesel Engine

Fluid RIDGELINE FULL SYNTHETIC 5W-40 CK-4 (17 QTS)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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.

(17 QTS)				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900525		
Sample Date		Client Info		10 Apr 2024		
Vachine Age	mls	Client Info		41545		
Oil Age	mls	Client Info		8000		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>130	74		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>4	0		
Fitanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	57		
ead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>125	0		
īn	ppm	ASTM D5185m	>4	<1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		38		
Barium	ppm	ASTM D5185m		0		
Nolybdenum	ppm	ASTM D5185m	70	63		
<i>l</i> langanese	ppm	ASTM D5185m		<1		
<i>I</i> agnesium	ppm	ASTM D5185m	1160	969		
Calcium	ppm	ASTM D5185m	820	805		
Phosphorus	ppm	ASTM D5185m	1150	949		
Zinc	ppm	ASTM D5185m	1270	1138		
Sulfur	ppm	ASTM D5185m	3140	3363		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	106		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.7		
Nitration	Abs/cm	*ASTM D7624	>20	10.5		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	19.0		
Base Number (BN)	mg KOH/g	ASTM D2896	10	7.0		

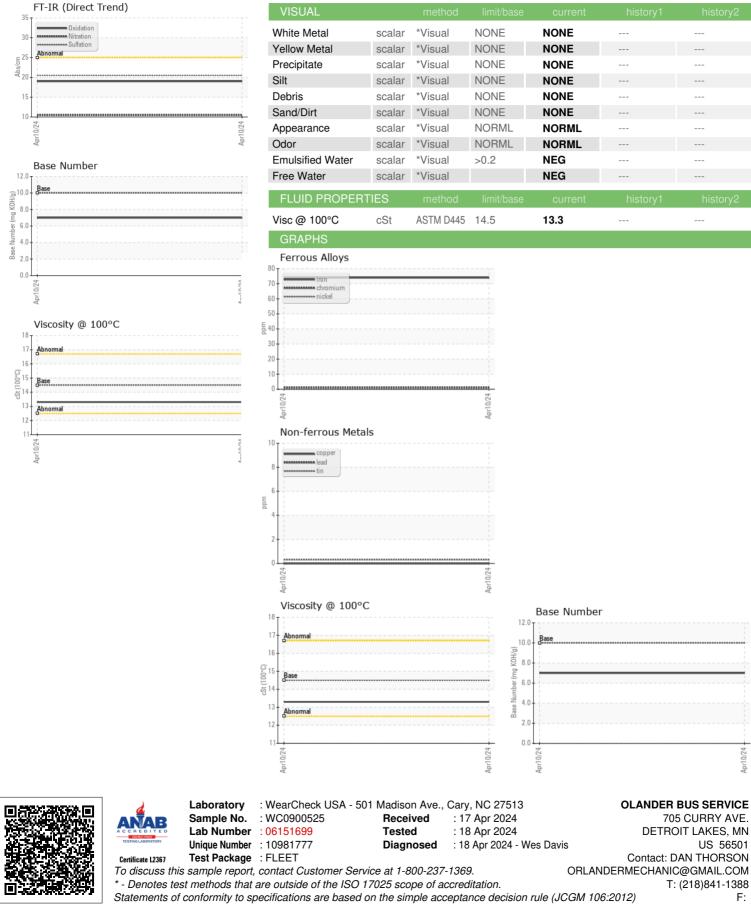




NORMAL



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