

## **OIL ANALYSIS REPORT**

### Area (SB93937) OLANDER BUS SI **INTERNATIONAL 9682-56**

**Diesel Engine** 

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

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### 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.

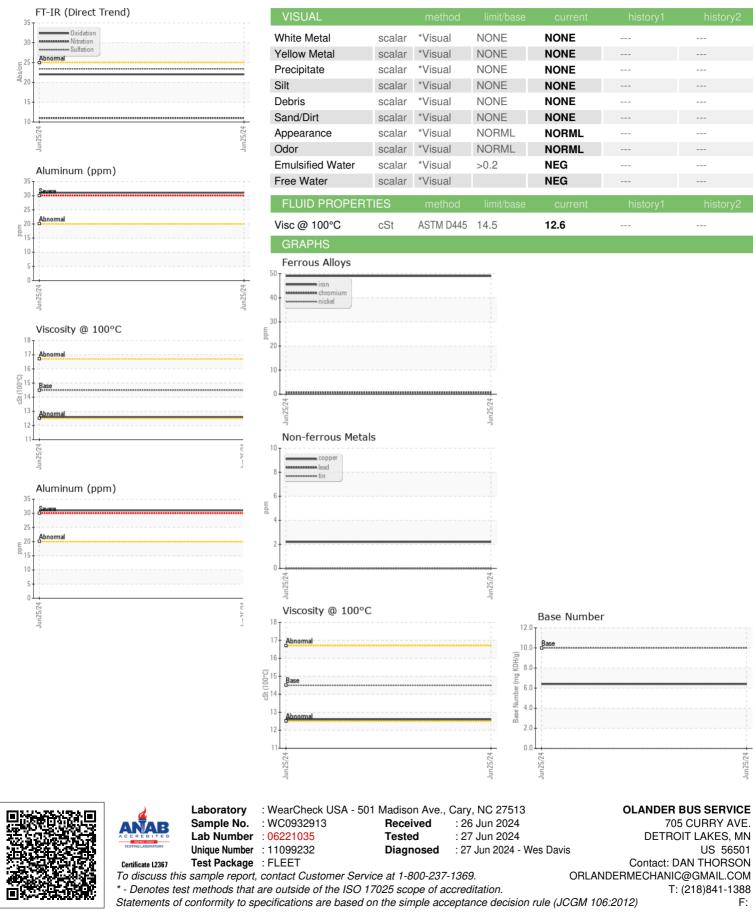
SERVICE						
(17)		L		Jun2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0932913		
Sample Date		Client Info		25 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	<1.0 NEG		
Glycol		WC Method	20.2	NEG		
WEAR METALS			lipait/le a an			
		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>130	49		
Chromium	ppm		>10	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium Silver	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m	>2	0 31		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m ASTM D5185m		2		
Copper Tin	ppm	ASTM D5185m	>125	2		
Vanadium	ppm ppm	ASTM D5185m	24	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		117		
Barium	ppm	ASTM D5185m		0		
Volybdenum	ppm	ASTM D5185m	70	72		
Vanganese	ppm	ASTM D5185m		0		
Vagnesium	ppm	ASTM D5185m	1160	676		
Calcium	ppm	ASTM D5185m	820	1054		
Phosphorus	ppm	ASTM D5185m	1150	807		
Zinc	ppm	ASTM D5185m	1270	1156		
Sulfur	ppm	ASTM D5185m	3140	2730		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	61		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	11.0		
Sulfation	Abs/.1mm	*ASTM D7624	>30	23.4		
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.0		
Base Number (BN)	mg KOH/g	ASTM D2896	10	6.4		

Sample Rating Trend

NORMAL



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