

# Area (SB94853) OLANDER BUS SERVICE 5052-50

**Diesel Engine** 

Fluid **RIDGELINE FULL SYNTHETIC 5W-40 CK-4 (1** 

# DIAGNOSIS

# 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.

(17 QTS)				May2024		
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0900529		
Sample Date		Client Info		14 May 2024		
Machine Age	mls	Client Info		58682		
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
Iron	ppm	ASTM D5185m	>130	162		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>125	8		
Tin	ppm	ASTM D5185m	>4	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		132		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m	70	73		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	1160	542		
Calcium	ppm	ASTM D5185m	820	1170		
Phosphorus	ppm	ASTM D5185m	1150	845		
Zinc	ppm	ASTM D5185m	1270	1203		
Sulfur	ppm	ASTM D5185m	3140	2759		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	6		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	1.4		
Nitration	Abs/cm	*ASTM D7624	>20	11.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.6		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.4		
Base Number (BN)	mg KOH/g	ASTM D2896	10	6.4		
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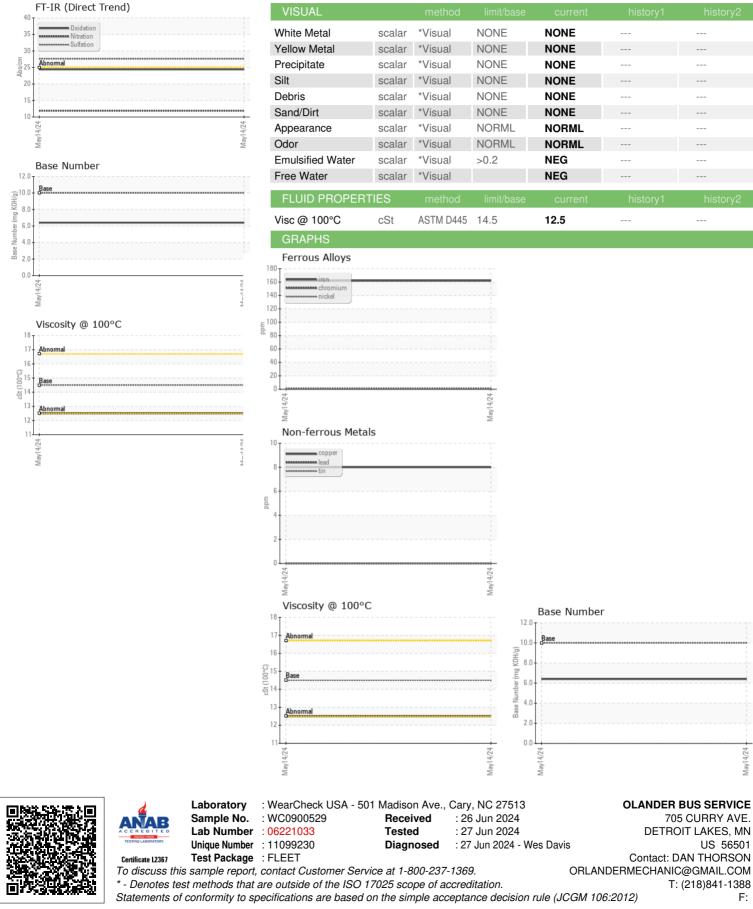


Sample Rating Trend





# **OIL ANALYSIS REPORT**



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