

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# Stadler C15 DM1 (S/N 09211286)

Component 1 Diesel Engine Fluid

PETRO CANADA DURON UHP 10W40 (--- GAL)

#### 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.

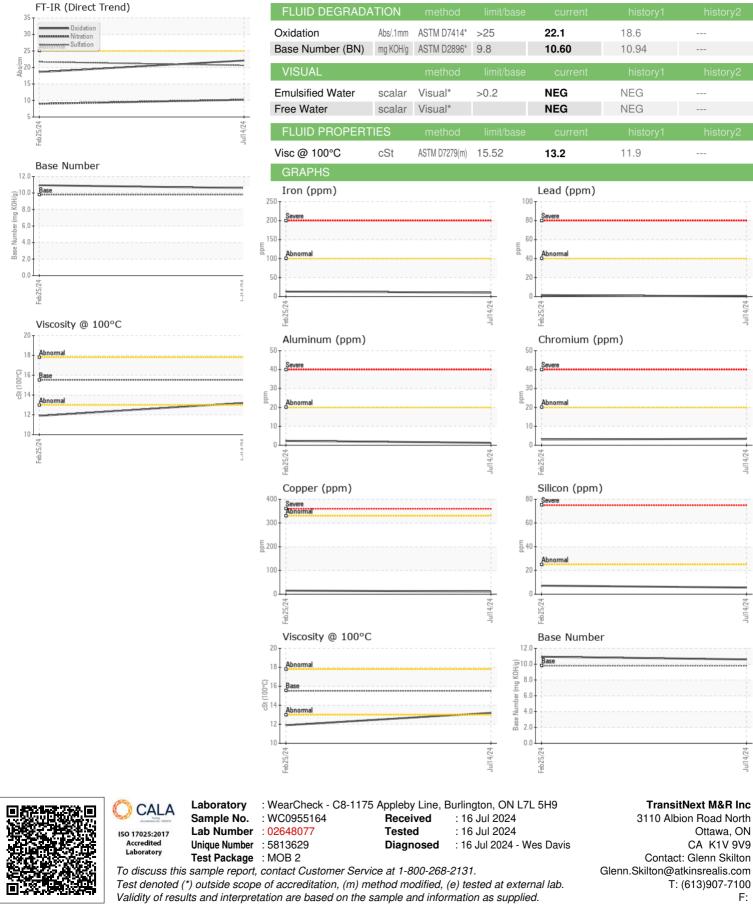
### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0955164	WC0902436	
Sample Date		Client Info		14 Jul 2024	25 Feb 2024	
Machine Age	hrs	Client Info		1594	630	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	nom	ASTM D5185(m)	>100	10	13	
-	ppm	. /		-		
Chromium Nickel	ppm	ASTM D5185(m)	>20	3 0	3 0	
	ppm	ASTM D5185(m)	>4			
Titanium Silver	ppm	ASTM D5185(m)	.2	0	0	
	ppm	ASTM D5185(m)	>3	<1		
Aluminum	ppm	ASTM D5185(m)		1	2	
Lead	ppm	ASTM D5185(m)	>40	<1	2	
Copper	ppm	ASTM D5185(m)		11	15	
Tin	ppm	ASTM D5185(m)	>15	<1	<1	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	68	8	
Barium	ppm	ASTM D5185(m)	0	1	6	
Molybdenum	ppm	ASTM D5185(m)	60	42	11	
Manganese	ppm	ASTM D5185(m)	0	<1	<1	
Magnesium	ppm	ASTM D5185(m)	1010	770	59	
Calcium	ppm	ASTM D5185(m)	1070	1538	2327	
Phosphorus	ppm	ASTM D5185(m)	1150	670	703	
Zinc	ppm	ASTM D5185(m)	1270	867	798	
Sulfur	ppm	ASTM D5185(m)	2060	1980	2324	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	6	7	
Sodium	ppm	ASTM D5185(m)		2	2	
Potassium	ppm	ASTM D5185(m)	>20	2	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	
Nitration	Abs/cm	ASTM D7624*	>20	10.2	9.0	
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.6	21.7	



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