

# **OIL ANALYSIS REPORT**

# SHARP BUS LINES Machine Id IC 1121

Component

Diocol Engine

**Diesel Engine** 

PETRO CANADA 15W40 (20 LTR)

# Sample Rating Trend FUEL Suphitz

### DIAGNOSIS

### Recommendation

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

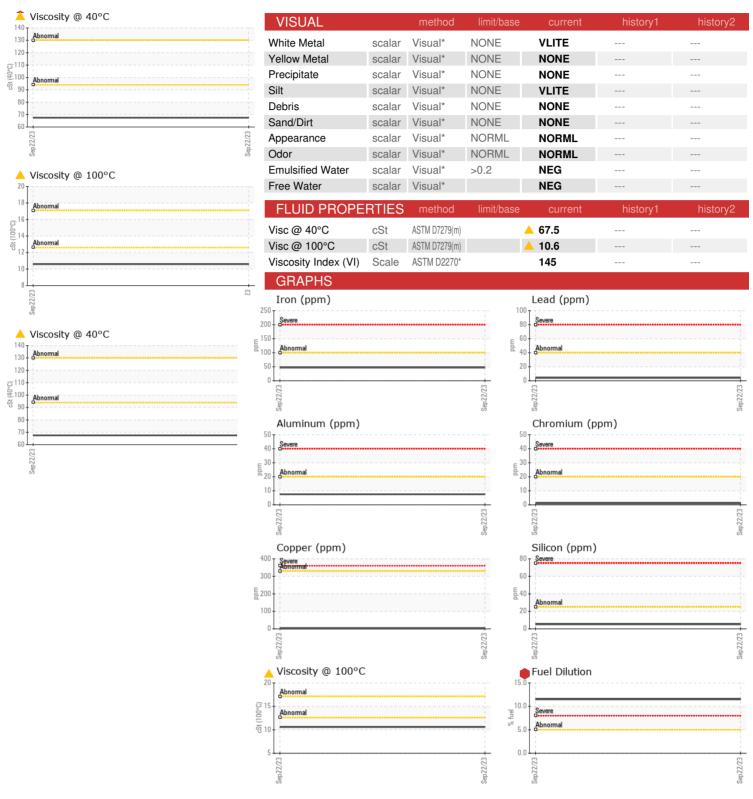
### Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

				Sep 2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0081532		
Sample Date		Client Info		22 Sep 2023		
Machine Age	kms	Client Info		217010		
Oil Age	kms	Client Info		4234		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINATI	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	47		
Chromium	ppm	ASTM D5185(m)	>20	1		
Nickel	ppm	ASTM D5185(m)	>4	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	<1		
Aluminum	ppm	ASTM D5185(m)	>20	8		
Lead	ppm	ASTM D5185(m)	>40	4		
Copper	ppm	ASTM D5185(m)	>330	2		
Tin	ppm	ASTM D5185(m)	>15	<1		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		ام مطلع مما	1::		111.4	1-1-10
		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	imit/base	current 10	history1	nistory2 
	ppm		iimii/base			· ·
Boron Barium	• •	ASTM D5185(m)	iimivbase	10		
Boron	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	IImivoase	10 <1		
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m)	iimii/base	10 <1 55		
Boron Barium Molybdenum	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	imil/base	10 <1 55 0		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	IIIIII/Dase	10 <1 55 0 779		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185(m)	IIIIII/Dase	10 <1 55 0 779 887		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	IIIIII/Dase	10 <1 55 0 779 887 831		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185(m)	IIIIII/Dase	10 <1 55 0 779 887 831 977		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	10 <1 55 0 779 887 831 977 2068		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)		10 <1 55 0 779 887 831 977 2068 <1 current		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	10 <1 55 0 779 887 831 977 2068 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base	10 <1 55 0 779 887 831 977 2068 <1 current		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >25	10 <1 55 0 779 887 831 977 2068 <1 current 5		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	limit/base >25 >20	10 <1 55 0 779 887 831 977 2068 <1 current 5 4 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED	ppm	ASTM D5185(m)	limit/base >25 >20 >5 limit/base	10 <1 55 0 779 887 831 977 2068 <1 current 5 4 <1 11.5 current		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D7593*  method  ASTM D7844*	limit/base >25 >20 >5 limit/base >3	10 <1 55 0 779 887 831 977 2068 <1 current 5 4 <1 11.5 current	history1 history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED	ppm	ASTM D5185(m)	limit/base >25 >20 >5 limit/base	10 <1 55 0 779 887 831 977 2068 <1 current 5 4 <1 11.5 current		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm	ASTM D5185(m) ASTM D7593*  method  ASTM D7593*  method  ASTM D7844* ASTM D7624* ASTM D7624*	limit/base >25	10 <1 55 0 779 887 831 977 2068 <1 current 5 4 <1 11.5 current	history1 history1	history2 history2



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited

Laboratory Sample No. Lab Number **Unique Number** 

: 02589867

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : PC0081532

Received : 5658933

: 18 Oct 2023 Diagnosed : 19 Oct 2023 Diagnostician : Wes Davis

Test Package : MOB 1 ( Additional Tests: FuelDilution, KV40, PercentFuel, VI, Visual )

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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