

OIL ANALYSIS REPORT



Machine Id **949004** Component **Natural Gas Engine** Fluid **PETRO CANADA 15W40 (28 QTS)**

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.

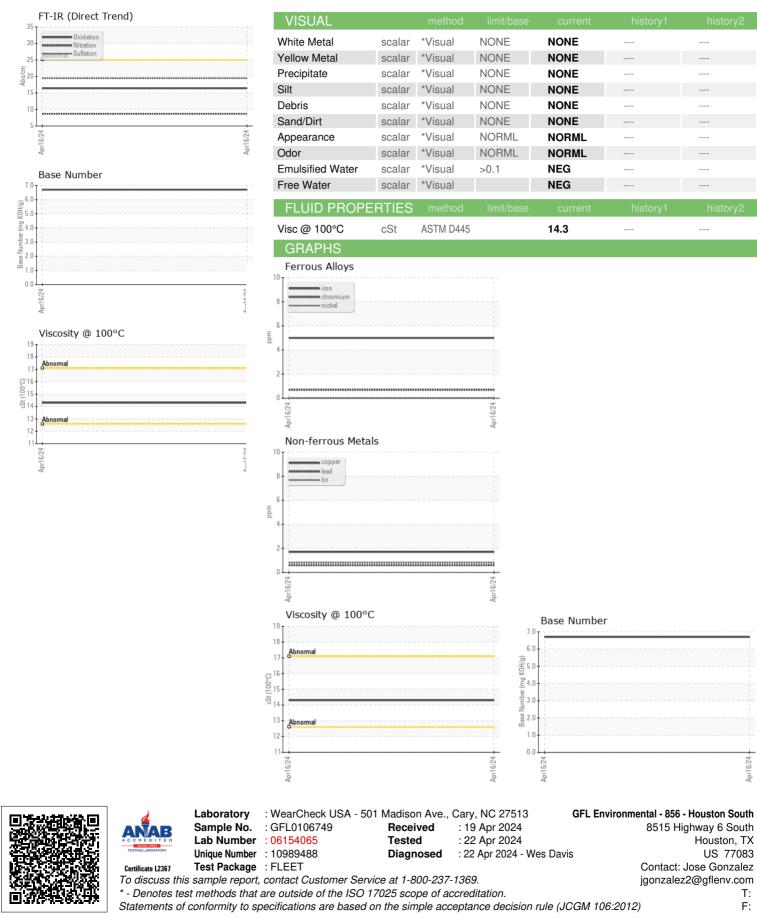
Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0106749		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		3787		
Oil Age	hrs	Client Info		3787		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m	>2	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>9	1		
Lead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>35	2		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		20		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		52		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		594		
Calcium	ppm	ASTM D5185m		1607		
Phosphorus	ppm	ASTM D5185m		811		
Zinc	ppm	ASTM D5185m		931		
Sulfur	ppm	ASTM D5185m		2827		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624	>20	8.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4		
Base Number (BN)	mg KOH/g	ASTM D2896		6.7		
		Denni Brood				



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