

OIL ANALYSIS REPORT

Sample Rating Trend

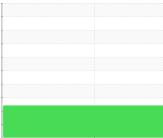


Machine Id 928027-1155

Hydraulic System

PETRO CANADA ENVIRON AW 46 (--- GAL)

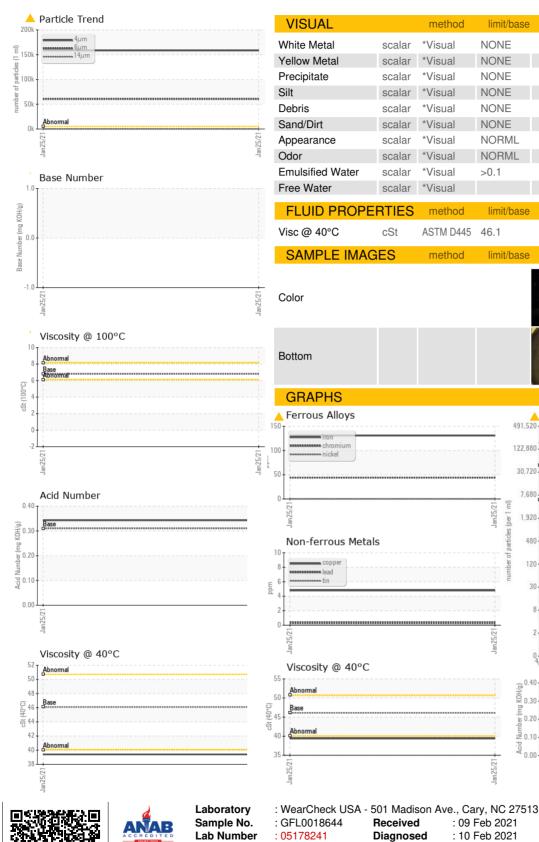
DIAGNOSIS	SAMPLE INFORM		method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		GFL0018644		
Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Date		Client Info		25 Jan 2021		
	Machine Age	hrs	Client Info		9057		
	Oil Age	hrs	Client Info		9057		
	Oil Changed	1113	Client Info		Changed		
The iron level is abnormal. The chromium level is abnormal.	Sample Status				ABNORMAL		
Contamination	WEAR METALS	S	method	limit/base	current	history1	history2
There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Iron	ppm	ASTM D5185m	>50	A 131		
	Chromium	ppm	ASTM D5185m	>10	<u> </u>		
Fluid Condition The AN level is acceptable for this fluid.	Nickel	ppm	ASTM D5185m	>4	<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m	>5	4		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		5		
	Tin	ppm	ASTM D5185m		<1		
	Antimony	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES	le le	method	limit/base		history1	history2
	Boron	ppm	ASTM D5185m	0	6		
	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		4		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		34		
	Calcium	ppm	ASTM D5185m		157		
	Phosphorus	ppm	ASTM D5185m	485	368		
	Zinc	ppm	ASTM D5185m		460		
	Sulfur	ppm	ASTM D5185m		1005		
	CONTAMINAN		method	limit/base		history1	history2
	Silicon	ppm	ASTM D5185m		8		
	Sodium	ppm	ASTM D5185m		21		
	Potassium	ppm	ASTM D5185m	>20	6		
	FLUID CLEANL		method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647		158509		
	Particles >6µm		ASTM D7647		<u> </u>		
	Particles >14µm		ASTM D7647		18		
	Particles >21µm		ASTM D7647		2		
	Particles >38µm		ASTM D7647		0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		▲ 24/23/11		
	FLUID DEGRAD			limit/base		history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.31	0.343		







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GFL Environmental - 622 - Traverse City Hauling 160 Hughes Dr Traverse City, MI US 49686 Contact: GARY BREWER

21/

history1

history

history1

no image

no image

current

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

current

current

Particle Count

Acid Number

NEG

NEG

39.4

history2

history

history2

no image

no image

4406

:1999 Cle

14

: 9363530

Diagnostician : Don Baldridge

: MOB 2 (Additional Tests: FT-IR, KV100, TBN)

Unique Number

Test Package

Certificate L2367