

### **OIL ANALYSIS REPORT**

Tit

Sample Rating Trend

FUEL

Machine Id

# THOMPKINS 4 IN VAC PUMF

**Diesel Engine** Fluid PETRO CANADA 15W40 (--- GAL)

#### 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

Metal levels are typical for a new component breaking in.

#### Contamination

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

#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

<b>/IP 337</b> SAMPLE INFORM	IATION	Jun 2023 Aug	tera Augera Octora Iimit/base	Nordoza Fedzor Fedzor Mada	it Apd024	history2
Sample Number		Client Info		WC0917243	WC0917048	WC0906058
Sample Date		Client Info		20 Apr 2024	11 Mar 2024	26 Feb 2024
Machine Age	hrs	Client Info		536	63	9677
Oil Age	hrs	Client Info		473	400	521
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	SEVERE	SEVERE
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	maa	ASTM D5185m	>100	9	3	6
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	1
Lead	ppm	ASTM D5185m	>40	0	0	2
Copper	ppm	ASTM D5185m	>330	<1	0	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		47	47	59
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		792	796	1020
Calcium	ppm	ASTM D5185m		817	855	1009
Phosphorus	ppm	ASTM D5185m		769	864	1042
Zinc	ppm	ASTM D5185m		990 2524	1046	1350
CONTAMINANTS	ppm	mothod	limit/bass	2024	biotory1	history?
CONTAMINANTS				current	nistory i	nistory2
Silicon	ppm	ASTM DE105m	>25	0	0	0
Botassium	ppm	ASTM D5185m	> 20	2	2	0
Fuel	%	ASTM D3105III	>5	↓ 9.9	▲ 15.2	▲ 11.9
		method	limit/base	current	history	history?
	0/					nistory2
SOOI %	%	*ASTM D7004	>3	0.1	0.1	0.1
Sulfation	ADS/CIII	*AQTM D7415	>20	0.4	177	17.0
Julialion	MU5/.111111	ASTIVI D/413	<i>&gt;</i> 00	10.4	17.7	17.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	14.8	14.5
Base Number (BN)	mg KOH/g	ASTM D2896		7.2	8.0	7.9



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Report Id: CLBMYR [WUSCAR] 06183793 (Generated: 05/22/2024 09:54:31) Rev: 1

Certificate 12367

Laboratory

Sample No.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: JAMIE HUCKS - CLBMYR

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