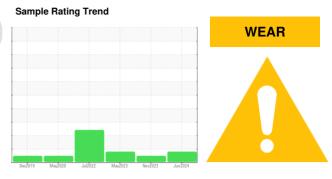


# **OIL ANALYSIS REPORT**

# Watkins Block Truck Shop Omaha 75 [Watkins Block Truck Shop Omaha]

**Middle Natural Gas Engine** 

PETRO CANADA SUPREME 5W30 (4 QTS)



#### **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

The chromium level is abnormal. All other component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

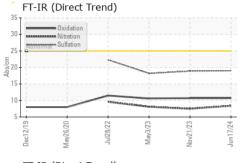
#### **Fluid Condition**

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

0.1.151.5.1150.51						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0007738	SBP0005955	SBP0002222
Sample Date		Client Info		17 Jun 2024	21 Nov 2023	03 May 2023
Machine Age	hrs	Client Info		5882	5308	4722
Oil Age	hrs	Client Info		278	310	351
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATIO	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	32	14	44
Chromium	ppm	ASTM D5185m	>4	<u>^</u> 8	4	<b>8</b>
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	6	2	8
Lead	ppm	ASTM D5185m	>30	0	0	0
Copper	ppm	ASTM D5185m	>35	5	12	6
Tin	ppm	ASTM D5185m	>4	1	<1	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	186	65	78	55
Barium	ppm	ASTM D5185m	<1	0	2	0
Molybdenum	ppm	ASTM D5185m	79	73	69	78
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	578	606	466	564
Calcium	ppm	ASTM D5185m	1002	1308	1192	1414
Phosphorus	ppm	ASTM D5185m	745	769	564	692
Zinc	ppm	ASTM D5185m	837	907	776	884
Sulfur	ppm	ASTM D5185m	2502	3583	3021	3388
CONTAMINANTS	<b>;</b>	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	14	4	11
Sodium	ppm	ASTM D5185m		3	2	2
Potassium	ppm	ASTM D5185m	>20	4	2	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0
Nitration	Abs/cm	*ASTM D7624	>20	8.4	7.5	8.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	18.9	18.2
	TION	mathad	limit/base		history1	history2
FLUID DEGRADA	ATION	method	IIIIIIIIIIIIIII	current	HISTORY	HISTOLYZ
FLUID DEGRADA Oxidation	Abs/.1mm	*ASTM D7414	>25	10.7	10.7	10.6
			>25			



# **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2

ASTM D445 11.42

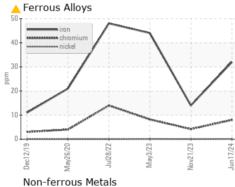
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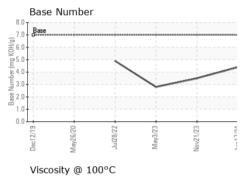
9.9

(Direct	Trend)			
Oxidation Nitration Sulfation				
	· · · · · · · · · · · · · · · · · · ·	National Control	*************	
26/20	28/22	343/23	Nov21/23 -	10,71
	Oxidation Nitration Sulfation	Sulfation	Oxidation Nitration Sulfation	Oxidation Nitration Sulfation

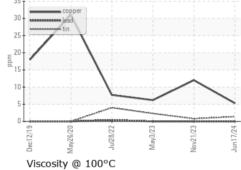


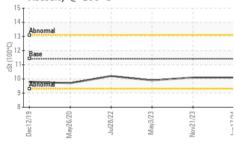


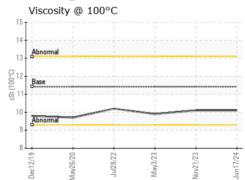
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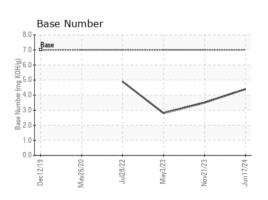
















Laboratory Sample No.

: SBP0007738 Lab Number : 06217634 Unique Number : 11090498

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024

**Tested** : 25 Jun 2024 Diagnosed : 25 Jun 2024 - Don Baldridge

Watkins Block Truck Shop Omaha - 602227

14306 Giles Rd Omaha, NE US 68138 Contact: Dave Hozba

Test Package : FLEET Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

daveh@watkinsconcreteblock.com T: (402)894-6518

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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