

PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY

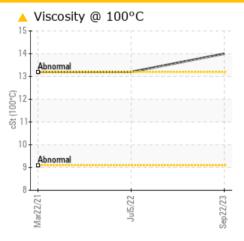
VISCOSITY

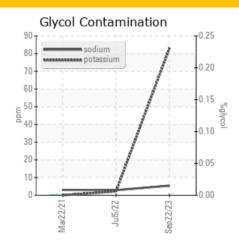
Watkins Block Truck Shop Omaha 74 [Watkins Block Truck Shop Omaha]

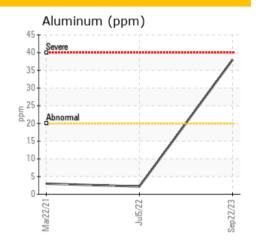
Rear Diesel Engine

PETRO CANADA 10W30 (--- GAL)

COMPONENT CONDITION SUMMARY







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.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	NORMAL	NORMAL
Visc @ 100°C	cSt	ASTM D445	<u> </u>	13.2	13.2

Customer Id: WATOMATS Sample No.: SBP0005011 Lab Number: 05964048 Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:

Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

05 Jul 2022 Diag: Don Baldridge

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



22 Mar 2021 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

Sample Rating Trend

SAMPLE INFORMATION method limit/base

VISCOSITY

Watkins Block Truck Shop Omaha 74 [Watkins Block Truck Shop Omaha]

Rear Diesel Engine

PETRO CANADA 10W30 (--- GAL)

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

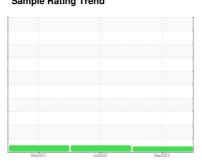
All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected in the oil.

Fluid Condition

The oil viscosity is higher than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.



SAMPLE INFORM	MATION	method	ilmit/base	current	nistory i	nistory2
Sample Number		Client Info		SBP0005011	SBP0000241	SBP84425030
Sample Date		Client Info		22 Sep 2023	05 Jul 2022	22 Mar 2021
Machine Age	hrs	Client Info		1106	883	642
Oil Age	hrs	Client Info		223	241	240
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
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CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	0.0
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	48	6	5
Chromium	ppm	ASTM D5185m	>20	6	<1	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	38	2	3
Lead	ppm	ASTM D5185m	>40	<1	<1	1
Copper	ppm	ASTM D5185m	>330	18	1	1
Tin	ppm	ASTM D5185m	>15	1	<1	0
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		4	122	214
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		66	15	67
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m		891	763	686
Calcium	ppm	ASTM D5185m		1299	1545	1451
Phosphorus	ppm	ASTM D5185m		1012	827	760
Zinc	ppm	ASTM D5185m		1302	919	798
Sulfur	ppm	ASTM D5185m		2832	3976	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	6	5
Sodium	ppm	ASTM D5185m		5	3	3
Potassium	ppm	ASTM D5185m	>20	83	2	0
Chlorine	ppm	ASTM D5185m				0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.39
Nitration	Abs/cm	*ASTM D7624	>20	7.3	9.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.5	20.7	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	14.3	
Base Number (BN)	mg KOH/g	ASTM D2896		8.1	8.5	
()	0 - 3					



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: SBP0005011 : 05964048 : 10670599

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed Diagnostician

: 28 Sep 2023 : 01 Oct 2023 : Don Baldridge Watkins Block Truck Shop Omaha - 602227 14306 Giles Rd

Omaha, NE US 68138 Contact: Dave Hozba

daveh@watkinsconcreteblock.com

T: (402)894-6518

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)