

PROBLEM SUMMARY

Sample Rating Trend

GLYCOL

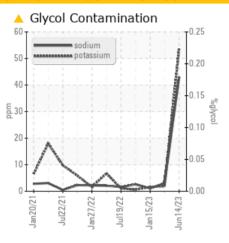
GETGOE

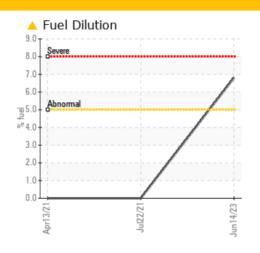
Machine Id **2026835**

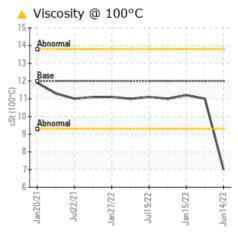
Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status		ABNORMAL	NORMAL	NORMAL					
Potassium	ppm	ASTM D5185m	>20	<u> </u>	2	2			
Fuel	%	ASTM D3524	>5	△ 6.8	<1.0	<1.0			
Base Number (BN)	mg KOH/g	ASTM D2896		△ 0.0	6.3	8.1			
Visc @ 100°C	cSt	ASTM D445	12.00	<u>^</u> 7	11.0	11.2			

Customer Id: PERGEODE Sample No.: PCA0100369 Lab Number: 05930755 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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			?	We recommend that you drain the oil from the component if this has not already been done.
Resample			?	We recommend an early resample to monitor this condition.
Check Fuel/injector System			?	We advise that you check the fuel injection system.

HISTORICAL DIAGNOSIS

04 Apr 2023 Diag: Wes Davis

NORMAL



Resample at the next service interval to monitor. Please specify the component make and model with your next sample. 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.



15 Jan 2023 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. Please specify the component make and model with your next sample. 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.



30 Oct 2022 Diag: Wes Davis

NORMAL



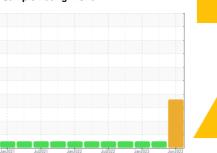
Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample. All component wear rates are normal. There is no indication of any contamination 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.





OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL

A

2026835 Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. There is a moderate amount of fuel present in the oil. Test for glycol is negative.

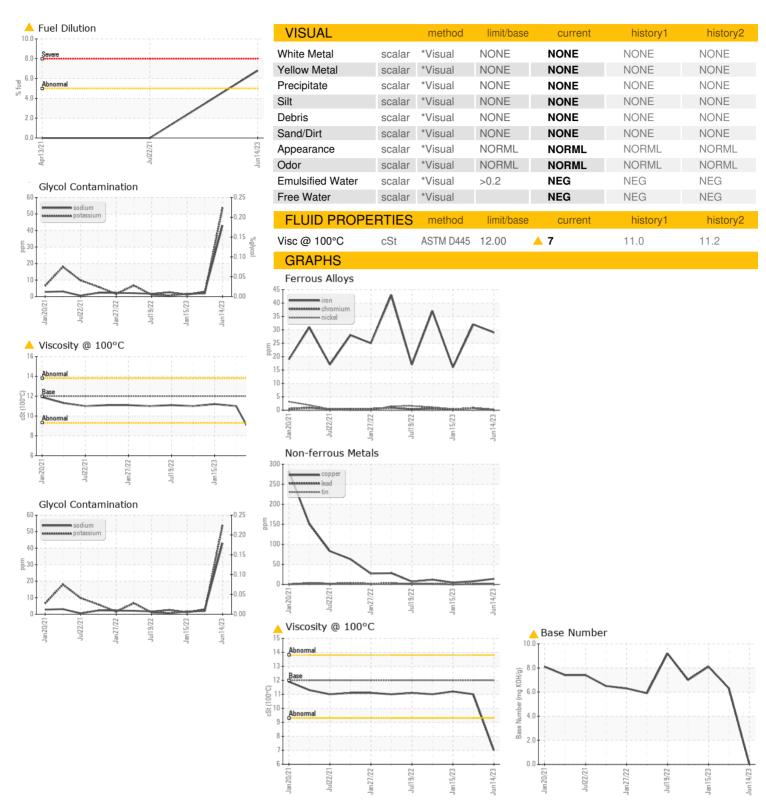
Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN level is low.

		Jan2021	Jul2021 Jan2022	Jul2022 Jan2023	Jun2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0100369	PCA0094887	PCA0090089	
Sample Date		Client Info		14 Jun 2023	04 Apr 2023	15 Jan 2023	
Machine Age	mls	Client Info		305457	285945	263099	
Oil Age	mls	Client Info		29512	44785	21939	
Oil Changed		Client Info		Not Changd	Changed	Not Changd	
Sample Status				ABNORMAL	NORMAL	NORMAL	
WEAR METAL	S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	29	32	16	
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	<1	
Titanium	ppm	ASTM D5185m		2	6	6	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	8	2	2	
Lead	ppm	ASTM D5185m	>40	2	<1	0	
Copper	ppm	ASTM D5185m	>330	14	8	5	
Tin	ppm	ASTM D5185m	>15	1	1	<1	
Vanadium	ppm	ASTM D5185m		0	<1	<1	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	2	81	3	5	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	15	56	47	
Manganese	ppm	ASTM D5185m	0	1	<1	<1	
Magnesium	ppm	ASTM D5185m	950	180	886	780	
Calcium	ppm	ASTM D5185m	1050	371	1209	1110	
Phosphorus	ppm	ASTM D5185m	995	504	940	906	
Zinc	ppm	ASTM D5185m	1180	313	1237	1112	
Sulfur	ppm	ASTM D5185m	2600	2393	3663	3552	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	12	4	3	
Sodium	ppm	ASTM D5185m		43	3	1	
Potassium	ppm	ASTM D5185m	>20	<u>^</u> 54	2	2	
Fuel	%	ASTM D3524	>5	6.8	<1.0	<1.0	
Glycol	%	*ASTM D2982		NEG	NEG	NEG	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.2	0.5	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	5.8	10.8	9.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	53.3	21.3	19.0	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	64.2	16.7	14.8	
Base Number (BN)	mg KOH/g	ASTM D2896		<u> </u>	6.3	8.1	
_accitation (DIV)	mg nong	0 1111 DL000		0.0	0.0	0.1	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0100369

Received : 05930755 : 10616026

Diagnosed

: 22 Aug 2023 : 24 Aug 2023

Diagnostician : Jonathan Hester

Test Package : FLEET (Additional Tests: FuelDilution, Glycol, PercentFuel) 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.

PERDUE FARMS - GEORGETOWN

20621 SAVANAH RD GEORGETOWN, DE US 19947

Contact: ROBERT LOCKWOOD

Robert.Lockwood@Perdue.com T:

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

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