

Sample Rating Trend

WEARCHECK

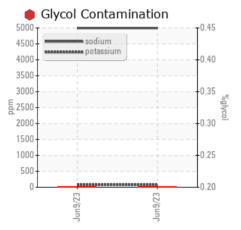
GLYCOL

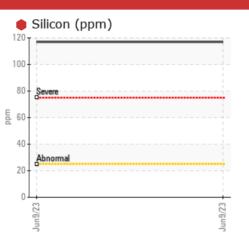
Machine Id 726082

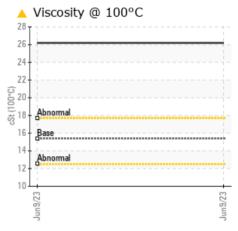
Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We advise that you check for the source of the coolant leak. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				SEVERE					
Silicon	ppm	ASTM D5185m	>25	e 117					
Sodium	ppm	ASTM D5185m		4995					
Potassium	ppm	ASTM D5185m	>20	<u> </u>					
Glycol	%	*ASTM D2982		0.20					
Visc @ 100°C	cSt	ASTM D445	15.4	A 26.2					

Customer Id: GFL958 Sample No.: GFL0085325 Lab Number: 05871509 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 <u>customerservice@wearcheck.com</u>

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.			
Resample			?	We recommend an early resample to monitor this condition.			
Check Dirt Access			?	We advise that you check the air filter, air induction system, and any areas where dirt may enter the component.			
Check Glycol Access			?	We advise that you check for the source of the coolant leak.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

GLYCOL

 \mathbf{X}

Machine Id 726082

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We advise that you check for the source of the coolant leak. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is positive. There is a high concentration of glycol present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

··· · ·· /				Jun2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0085325		
Sample Date		Client Info		09 Jun 2023		
Machine Age	hrs	Client Info		16808		
Oil Age	hrs	Client Info		355		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	81		
Chromium	ppm	ASTM D5185m	>20	3		
Nickel	ppm	ASTM D5185m	>4	2		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	8		
Lead	ppm	ASTM D5185m	>40	4		
Copper	ppm	ASTM D5185m	>330	12		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	587		
Barium	ppm	ASTM D5185m	0	4		
Molybdenum	ppm	ASTM D5185m	60	225		
Manganese	ppm		0	1		
Magnesium	ppm	ASTM D5185m	1010	777		
Calcium	ppm	ASTM D5185m	1070	897		
Phosphorus	ppm	ASTM D5185m	1150	887		
Zinc	ppm	ASTM D5185m	1270	1046		
Sulfur	ppm	ASTM D5185m	2060	2797		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	• 117		
Sodium	ppm	ASTM D5185m		<u> </u>		
Potassium	ppm	ASTM D5185m	>20	<mark>▲</mark> 73		
Glycol	%	*ASTM D2982		0.20		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	20.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	14.5		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	76.9		



OIL ANALYSIS REPORT

