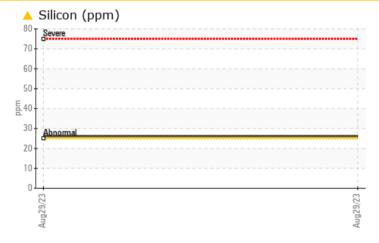


CHELK

Machine Id 426158

Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY



Viscosity @ 100°C



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status			ABNORMAL							
Silicon	ppm	ASTM D5185m	>25	<u> </u>						
Visc @ 100°C	cSt	ASTM D445	15.4	11.9						

Customer Id: GFL413 Sample No.: GFL0093034 Lab Number: 05958499 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 There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 426158

420130 Component

Diesel Engine

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

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

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

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0093034		
Sample Date		Client Info		29 Aug 2023		
Machine Age	mls	Client Info		289944		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	25		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	0		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	<1		
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	57		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	62		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	465		
Calcium	ppm	ASTM D5185m	1070	1882		
Phosphorus	ppm	ASTM D5185m	1150	1072		
Zinc	ppm	ASTM D5185m	1270	1325		
Sulfur		ASTM D5185m	2060	3998		
	ppm					
		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<u>▲</u> 26		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	1		
Fuel	%	ASTM D3524	>5	0.2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624	>20	9.0		
		*ASTM D7415	>30	20.8		
Sulfation	Abs/.1mm					
Sulfation FLUID DEGRA			limit/base	current	history1	history2
				current 16.4	history1	history2
FLUID DEGRA	DATION	method *ASTM D7414	limit/base			



OIL ANALYSIS REPORT

