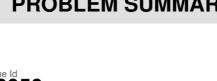
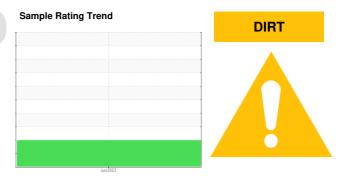


PROBLEM SUMMARY



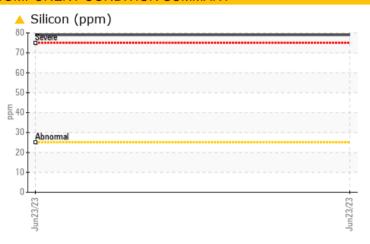


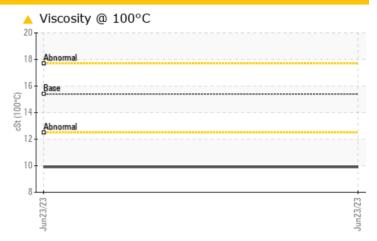


Machine Id **813050** Component **Diesel Engine**

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

COMPONENT CONDITION SUMMARY





RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATION	C TES	Γ RESULT	S								
Sample Status				ABNORMAL	 						
Silicon	ppm	ASTM D5185m	>25	^ 79	 						
Visc @ 100°C	cSt	ASTM D445	15.4	9.9	 						

Customer Id: GFL659 Sample No.: GFL0085071 Lab Number: 05886065 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

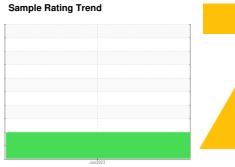






Machine Id 813050 Component **Diesel Engine**

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





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

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

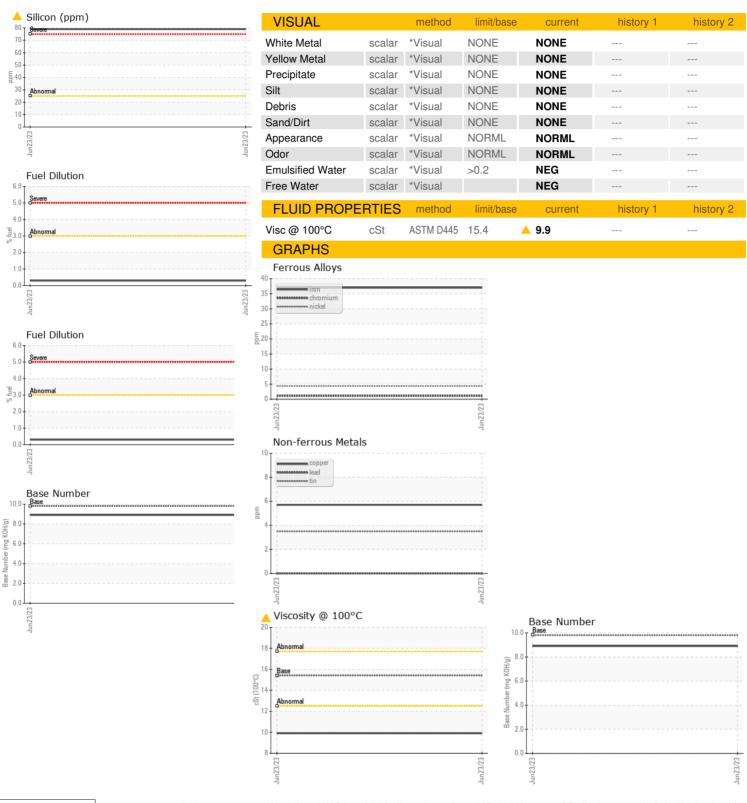
▲ Fluid Condition

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

110111 101140 (GAL)			Jun 2023		
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0085071		
Sample Date		Client Info		23 Jun 2023		
Machine Age	hrs	Client Info		329		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history 1	history 2
ron	ppm	ASTM D5185m	>120	37		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>5	4		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>20	6		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	6		
Tin	ppm	ASTM D5185m	>15	4		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	292		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	119		
Manganese	ppm	ASTM D5185m	0	4		
Magnesium	ppm	ASTM D5185m	1010	733		
Calcium	ppm	ASTM D5185m	1070	1478		
Phosphorus	ppm	ASTM D5185m	1150	704		
Zinc	ppm	ASTM D5185m	1270	869		
Sulfur	ppm	ASTM D5185m	2060	2860		
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	<u> </u>		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	7		
Fuel	%	ASTM D3524	>3.0	0.3		
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>4	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	8.5		
Culfation						
Sullation	Abs/.1mm	*ASTM D7415	>30	25.5		
FLUID DEGRA	Abs/.1mm		>30 limit/base	25.5 current	history 1	
Sulfation FLUID DEGRA Oxidation	Abs/.1mm					history 2



OIL ANALYSIS REPORT







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

: GFL0085071 : 05886065

: 10536548

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Jun 2023 Diagnosed

: 02 Jul 2023 Diagnostician : Don Baldridge **Test Package**: FLEET (Additional Tests: FuelDilution, 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

GFL Environmental - 659 - Mechanicsville

8280 RICHFOOD RD Mechanicsville, VA US 23116

Contact: SARAH KELLEY sarahkelley@gflenv.com

T:

F: