

# **PROBLEM SUMMARY**

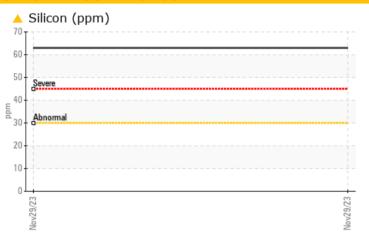
DIRT

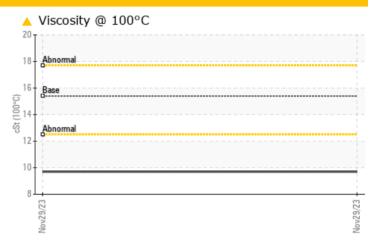
Machine Id 414046

Component **Diesel Engine** 

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

## **COMPONENT CONDITION SUMMARY**





#### 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	>30	<b>△</b> 63	 
Visc @ 100°C	cSt	ASTM D445	15.4	<b>9.7</b>	 

Sample Rating Trend

Customer Id: GFL846 **Sample No.:** GFL0087073 Lab Number: 06026013 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 ihester@wearcheckusa.com

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



# **OIL ANALYSIS REPORT**

Sample Rating Trend

**DIRT** 



Machine Id 414046 Component

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- G

## DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. 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.

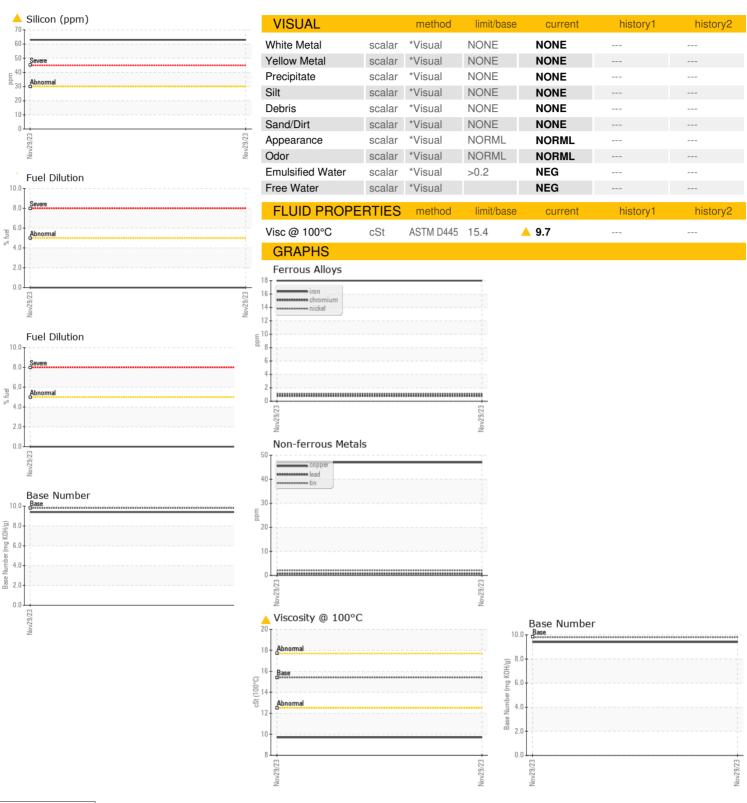
#### Fluid Condition

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

AL)				Nov2023		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number	VII (11011	Client Info		GFL0087073		
Sample Date				29 Nov 2023		
•	bro	Client Info				
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0 Not Ohamud		
Oil Changed		Client Info		Not Changd ABNORMAL		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Vater		WC Method	>0.2	NEG		
Slycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>110	18		
hromium	ppm	ASTM D5185m	>4	<1		
lickel	ppm	ASTM D5185m	>2	1		
itanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>2	<1		
Muminum	ppm	ASTM D5185m	>25	8		
.ead	ppm	ASTM D5185m	>45	<1		
Copper	ppm	ASTM D5185m	>85	47		
in	ppm	ASTM D5185m	>4	2		
anadium	ppm	ASTM D5185m		- <1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	372		
arium	ppm	ASTM D5185m	0	0		
lolybdenum	ppm	ASTM D5185m	60	118		
Manganese	ppm	ASTM D5185m	0	4		
lagnesium	ppm	ASTM D5185m	1010	662		
alcium	ppm	ASTM D5185m	1070	1398		
Phosphorus		ASTM D5185m	1150	691		
inc	ppm	ASTM D5185m	1270	812		
Gulfur	ppm	ASTM D5185m	2060	2152		
CONTAMINAN		method	limit/base	-	history1	history?
Silicon		ASTM D5185m	>30	current  A 63	history1	history2
Sodium	ppm		>30			
	ppm	ASTM D5185m	- 20	3		
Potassium Fuel	ppm %	ASTM D5185m ASTM D3524	>20 >5	14 0.0		
	70					
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
litration	Abs/cm	*ASTM D7624	>20	6.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.0		
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0		
Mualion	AUS/.TITIIT	A311VI D7414	>25	20.8		



## **OIL ANALYSIS REPORT**







Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0087073

: 06026013 : 10775804

Received : 06 Dec 2023 : 14 Dec 2023 Diagnosed Diagnostician : Jonathan Hester

**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 - 846 - Mayfield Hauling

3426 State Route 45 Mayfield, KY US 42066 Contact: Jack Lindsey jack.lindsey@gflenv.com T: (270)970-3690

Report Id: GFL846 [WUSCAR] 06026013 (Generated: 12/14/2023 09:42:00) Rev: 1

Contact/Location: Jack Lindsey - GFL846