

COMPONENT CONDITION SUMMARY







RECOMMENDATION

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

PROBLEMATIC	C TEST	RESULT	S		
Sample Status				ABNORMAL	
Silicon	ppm	ASTM D5185m	>20	<u> </u>	
Visc @ 100°C	cSt	ASTM D445	15.4	10.1	

Customer Id: GFL410 Sample No.: GFL0085049 Lab Number: 05964035 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

DIRT



4665M Component **Diesel Engine**

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

		,			Sep2023		
DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0085049		
No corrective action is recommended at this time.	Sample Date		Client Info		25 Sep 2023		
Resample at the next service interval to monitor.	Machine Age	hrs	Client Info		17391		
Near	Oil Age	hrs	Client Info		17391		
All component wear rates are normal.	Oil Changed		Client Info		N/A		
Contamination	Sample Status				ABNORMAL		
Fuel content negligible. Elemental level of silicon Si) above normal indicating ingress of seal	CONTAMINAT	ION	method	limit/base	current	history1	history2
naterial. Elevated aluminum (AI) and/or lead (Pb) nd potassium (K) levels in your metals analysis	Glycol	-	WC Method		NEG		
re likely a result of solder flux release into the	WEAR METAL	S	method	limit/base	current	history1	history2
bricant and is common on new	Iron	ppm	ASTM D5185m	>80	57		
	Chromium	ppm	ASTM D5185m	>5	3		
Fluid Condition	Nickel	ppm	ASTM D5185m	>2	<1		
te oil viscosity is lower than normal. The BN result	Titanium	ppm	ASTM D5185m		<1		
e oil. Confirm oil type.	Silver	ppm	ASTM D5185m	>3	<1		
	Aluminum	ppm	ASTM D5185m	>30	54		
	Lead	ppm	ASTM D5185m	>30	5		
	Copper	ppm	ASTM D5185m	>150	34		
	Tin	ppm	ASTM D5185m	>5	4		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	31		
	Barium	ppm	ASTM D5185m	0	5		
	Molybdenum	ppm	ASTM D5185m	60	48		
	Manganese	ppm	ASTM D5185m	0	6		
	Magnesium	ppm	ASTM D5185m	1010	588		
	Calcium	ppm	ASTM D5185m	1070	1600		
	Phosphorus	ppm	ASTM D5185m	1150	755		
	Zinc	ppm	ASTM D5185m	1270	954		
	Sulfur	ppm	ASTM D5185m	2060	2231		
						history1	history2
	CONTAMINAN	ITS	method	limit/base	current	TISTOLAL	motoryz
	CONTAMINAN Silicon	I <mark>TS</mark> ppm	method ASTM D5185m	limit/base	current		
	CONTAMINAN Silicon Sodium	ppm ppm	method ASTM D5185m ASTM D5185m	limit/base	current ▲ 44 9		
	CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm	method ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >20 >20	current ▲ 44 9 167		
	CONTAMINAN Silicon Sodium Potassium Fuel	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524	limit/base >20 >20 >5	current ▲ 44 9 167 1.3	 	
	CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method	limit/base >20 >20 >5 limit/base	current ▲ 44 9 167 1.3 current	 history1	 history2
	CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot %	Ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844	limit/base >20 >20 >20 >5 limit/base >3	current 44 9 167 1.3 current 0.4	history1	history2
	CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	Ppm ppm ppm %	method ASTM D5185m ASTM D5185m ASTM D3524 ASTM D3524 *ASTM D7844 *ASTM D7624	limit/base >20 >20 >20 >5 limit/base >3 >20	current ▲ 44 9 167 1.3 current 0.4 8.2	history1	 history2
	CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	Ppm ppm ppm % % Abs/cm Abs/.1mm	method ASTM D5185m ASTM D5185m ASTM D3524 ASTM D3524 *ASTM D7844 *ASTM D7844 *ASTM D7624	limit/base >20 >20 >5 limit/base >3 >20 >30	current ▲ 44 9 167 1.3 current 0.4 8.2 19.6	history1	 history2
	CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	Ppm ppm ppm % % Abs/cm Abs/cm	method ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base >20 >20 >5 limit/base >3 >20 >30	current ▲ 44 9 167 1.3 current 0.4 8.2 19.6 current	history1	history2
	CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRAI	Ppm ppm ppm % Abs/cm Abs/cm Abs/1mm	method ASTM D5185m ASTM D5185m ASTM D3524 *ASTM D7844 *ASTM D7624 *ASTM D7624 *ASTM D7415	limit/base >20 >20 >5 limit/base >3 >20 >30 limit/base	current ▲ 44 9 167 1.3 current 0.4 8.2 19.6 current	history1 history1 history1	 history2 history2
	CONTAMINAN Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRAI	Ppm ppm ppm % Abs/cm Abs/.1mm DATION	method ASTM D5185m ASTM D5185m ASTM D3524 *ASTM D7844 *ASTM D7844 *ASTM D7415 method *ASTM D7414	limit/base >20 >20 >5 limit/base >3 >20 >30 limit/base >25	current ● 44 9 167 1.3 current 0.4 8.2 19.6 current 16.2 16.2	history1 history1 history1 	history2



OIL ANALYSIS REPORT

