

PROBLEM SUMMARY

Sample Rating Trend WEAR

F

Machine Id 527018-7011 Component

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL				
Aluminum	ppm	ASTM D5185m	>20	<u> </u>				

Customer Id: GFL657 Sample No.: GFL0100164 Lab Number: 06032287 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 <u>customerservice@wearcheck.com</u>

RECOMMENDED	ACTIONS Status Date Done By Description					
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.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 527018-7011 Component

Diesel Engine Fluid

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

DIAGNOSIS	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		GFL0100164		
Oil and filter change at the time of sampling has	Sample Date		Client Info		11 Dec 2023		
been noted. Resample at the next service interval	Machine Age	hrs	Client Info		17709		
to monitor.	Oil Age	hrs	Client Info		640		
A Wear	Oil Changed		Client Info		Changed		
The aluminum level is abnormal. All other component wear rates are normal.	Sample Status				ABNORMAL		
Contamination	CONTAMINATI	ON	method	limit/base	current	history1	history2
There is no indication of any contamination in the	Fuel		WC Method	>3.0	<1.0		
oil.	Water		WC Method	>0.2	NEG		
Fluid Condition	Glycol		WC Method		NEG		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the	WEAR METALS	6	method	limit/base	current	history1	history2
oil is acceptable for the time in service.	Iron	ppm	ASTM D5185m	>120	35		
	Chromium	ppm	ASTM D5185m	>20	1		
	Nickel	ppm	ASTM D5185m	>5	5		
	Titanium	ppm	ASTM D5185m	>2	0		
	Silver	ppm	ASTM D5185m	>2	0		
	Aluminum	ppm	ASTM D5185m	>20	<u> </u>		
	Lead	maa	ASTM D5185m	>40	0		
	Copper	maa	ASTM D5185m	>330	4		
	Tin	mag	ASTM D5185m	>15	<1		
	Vanadium	nom	ASTM D5185m		0		
	Cadmium	maa	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	nnm	ASTM D5185m	0	1		
	Borium	ppm	AGTM D5105m	0	0		
	Malybdonum	ppm	AGTM D5105m	60	62		
	Manganasa	ppm	AGTM D5105m	0	1		
	Manyanese	ppm	AGTM DE105m	1010	0.95		
	Coloium	ppm	AGTM DE105m	1070	905		
	Calcium	ррп		1150	1075		
	Phosphorus	ppm		1070	1070		
		ррп		1270	1331		
	Sultur	ppm	ASTM DS185m	2060	2941		
	CONTAMINAN	ΓS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	14		
	Sodium	ppm	ASTM D5185m		13		
	Potassium	ppm	ASTM D5185m	>20	9		
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	1.5		
	Nitration	Abs/cm	*ASTM D7624	>20	10.1		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.8		
	FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	Ovidation	Abc/1mm	*ASTM D7/1/	>25	17.5		
	UXIDATION	AUS/. 11110	A010111414	260	17.5		
	Base Number (RN)	ma KOH/a	ASTM D2896	9.8	6 70		



OIL ANALYSIS REPORT







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)

Certificate L2367

Submitted By: TECHNICIAN ACCOUNT

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