

Sample Rating Trend GLYCOL

GULTU

Machine Id 834094

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

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							
Potassium	ppm	ASTM D5185m	>20	<u> </u>						

Customer Id: GFL837 Sample No.: GFL0102537 Lab Number: 06028401 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> There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 834094

Component Diesel Engine

Fluid

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

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

Sodium and/or potassium levels are high. Test for glycol is negative.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0102537		
Sample Date		Client Info		25 Nov 2023		
Machine Age	hrs	Client Info		139		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
	_		12 - 22 /1			
WEAR METAL	5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	42		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	9		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	16		
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	47		
Barium	ppm	ASTM D5185m	0	9		
Molybdenum	ppm	ASTM D5185m	60	56		
Manganese	ppm	ASTM D5185m	0	12		
Magnesium	ppm	ASTM D5185m	1010	694		
Calcium	ppm	ASTM D5185m	1070	1144		
Phosphorus	ppm	ASTM D5185m	1150	717		
Zinc	ppm	ASTM D5185m	1270	847		
Sulfur	ppm	ASTM D5185m	2060	2510		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	34		
Sodium	ppm	ASTM D5185m		8		
Potassium	ppm	ASTM D5185m	>20	<mark>/</mark> 58		
Glycol	%	*ASTM D2982		NEG		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0		
Nitration	Abs/cm	*ASTM D7624	>20	8.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.6		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.1		
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OIL ANALYSIS REPORT



Contact/Location: BRYAN SWANSON - GFL837