



CHECK

Machine Id 529013

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

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			ATTENTION	NORMAL						
Visc @ 100°C	cSt	ASTM D445	15.4	<u> </u>	11.9					

Customer Id: GFL654 Sample No.: GFL0086588 Lab Number: 05891949 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

06 Jun 2023 Diag: Wes Davis

NORMAL



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT



Machine Id 529013

Component Diesel Engine

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

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

There is no indication of any contamination in the oil.

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.

SAMPLE INFORM	JATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0086588	GFL0067951	
Sample Date		Client Info		03 Jul 2023	06 Jun 2023	
Machine Age	hrs	Client Info		9934	9728	
Oil Age	hrs	Client Info		9934	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ATTENTION	NORMAL	
		ine ethere et	line it /le e e e		laistan d	bister O
CONTAMINATI	ON	method	limit/base	current	nistory i	history 2
Glycol		WC Method		NEG	NEG	
WEAR METALS	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>110	10	11	
Chromium	ppm	ASTM D5185m	>4	0	<1	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>25	<1	0	
Lead	ppm	ASTM D5185m	>45	0	0	
Copper	ppm	ASTM D5185m	>85	3	1	
Tin	ppm	ASTM D5185m	>4	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
		ing a the a sh			laistem d	biete m. O
ADDITIVE5		method	limit/base	current	nistory i	nistory 2
Boron	ppm	ASTM D5185m	0	0	3	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	61	59	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	986	1012	
Calcium	ppm	ASTM D5185m	1070	1104	1121	
Phosphorus	ppm	ASTM D5185m	1150	1022	1085	
Zinc	ppm	ASTM D5185m	1270	1244	1446	
Sulfur	ppm	ASTM D5185m	2060	3364	4296	
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>30	14	12	
Sodium	ppm	ASTM D5185m		2	2	
Potassium	ppm	ASTM D5185m	>20	2	4	
Fuel	%	ASTM D3524	>5	<1.0	1.7	
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.3	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	8.8	7.9	
Sulfation	Abs/.1mm	*ASTM D7024	>30	20.5	20.3	
			line h fl	20.0		
FLUID DEGRAD	ATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8	17.6	
Page Number (PNI)	ma KOH/a	ASTM D2896	9.8	8.8	8.7	



OIL ANALYSIS REPORT







Report Id: GFL654 [WUSCAR] 05891949 (Generated: 07/07/2023 16:21:49) Rev: 1

Laboratory

Sample No.

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