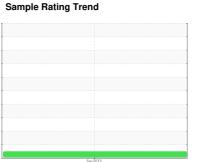


OIL ANALYSIS REPORT

DT









714057
Component
Diesel Engine
Fluid

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

DIAGNOSIS

Recommendation

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

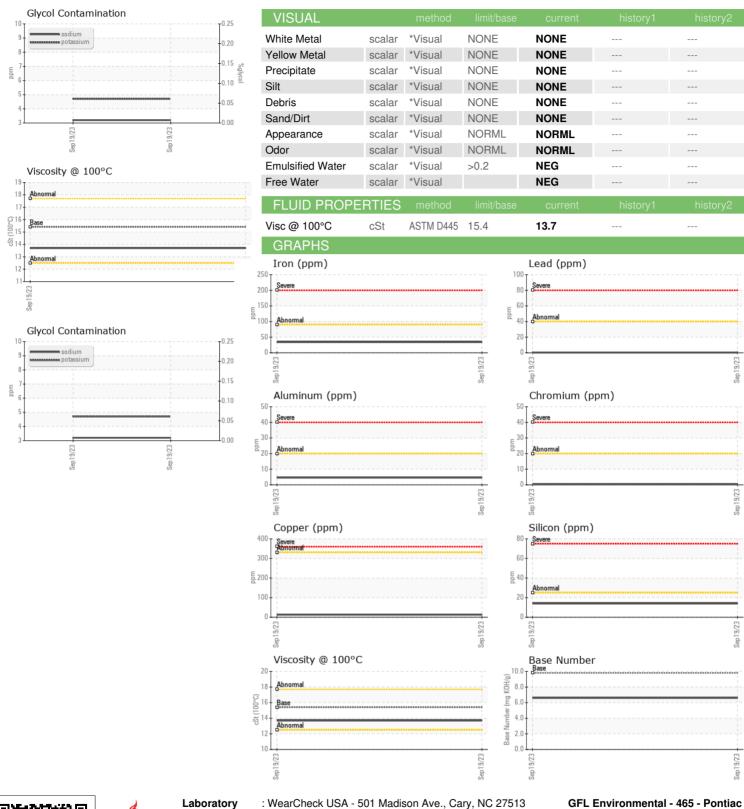
Fluid Condition

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

N SHP 15W40 (- GAL)			Sep2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0027559		
Sample Date		Client Info		19 Sep 2023		
Machine Age	hrs	Client Info		443		
Oil Age	hrs	Client Info		600		
Oil Age Oil Changed	1115	Client Info		Not Changd		
Sample Status		Ciletit iiiio		NORMAL		
	ION	and the ed	Para th the same			
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	34		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	1		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	5		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	13		
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	55		
Barium	ppm	ASTM D5185m	0	6		
Molybdenum	ppm	ASTM D5185m	60	103		
Manganese	ppm	ASTM D5185m	0	6		
Magnesium	ppm	ASTM D5185m	1010	682		
Calcium	ppm	ASTM D5185m	1070	1185		
Phosphorus	ppm	ASTM D5185m	1150	723		
Zinc	ppm	ASTM D5185m	1270	884		
Sulfur	ppm	ASTM D5185m	2060	2755		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	5		
Glycol	%	*ASTM D2982		NEG		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1		
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.4		
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.8	18.4 6.6		



OIL ANALYSIS REPORT







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

: 10659561

: GFL0027559 : 05958348

Diagnostician : Don Baldridge Test Package : MOB1+ (Additional Tests: Glycol)

Received

Diagnosed

: 22 Sep 2023

: 27 Sep 2023

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)

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