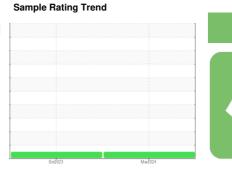


OIL ANALYSIS REPORT

{UNASSIGNED} 426117-Roll off

1 Diesel Engine

PETRO CANADA DURON SHP 15W40 (40 QTS)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

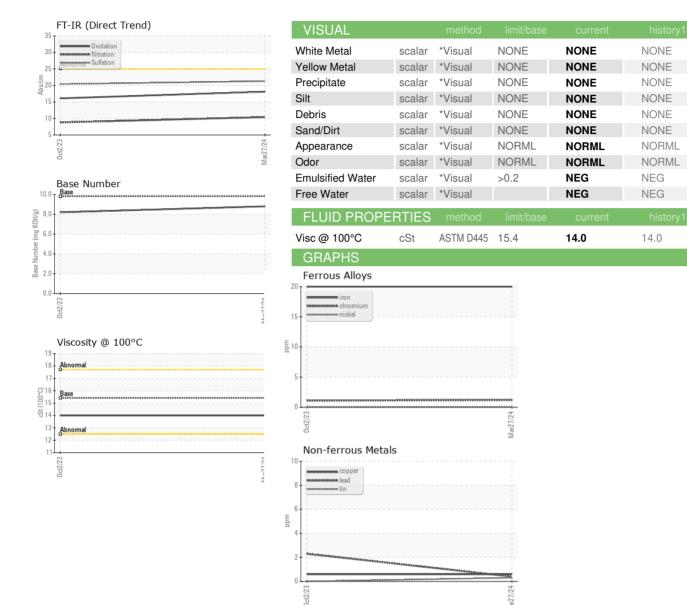
Fluid Condition

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

TS)			0ct2023	Mar2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110782	GFL0092851	
Sample Date		Client Info		27 Mar 2024	02 Oct 2023	
Machine Age	hrs	Client Info		9862	9504	
Oil Age	hrs	Client Info		358	600	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20	20	
Chromium	ppm	ASTM D5185m	>20	1	1	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	1	
Lead	ppm	ASTM D5185m	>40	<1	2	
Copper	ppm	ASTM D5185m	>330	<1	<1	
Tin	ppm	ASTM D5185m	>15	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	8	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	62	63	
Manganese	ppm	ASTM D5185m	0	0	0	
Magnesium	ppm	ASTM D5185m	1010	1046	944	
Calcium	ppm	ASTM D5185m	1070	1250	1164	
Phosphorus	ppm	ASTM D5185m	1150	1110	1010	
Zinc	ppm	ASTM D5185m	1270	1348	1266	
Sulfur	ppm	ASTM D5185m	2060	3827	3023	
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	4	
Sodium	ppm	ASTM D5185m		1	4	
Potassium	ppm	ASTM D5185m	>20	0	<1	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3	1	
Nitration	Abs/cm	*ASTM D7624	>20	10.4	8.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.3	20.4	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1	16.1	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.8	8.2	



OIL ANALYSIS REPORT



Viscosity @ 100°C





Certificate 12367

Laboratory Sample No.

: GFL0110782 Lab Number : 06141957 Unique Number : 10966765 Test Package : FLEET

100 ₹ 14

13

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Apr 2024

Tested : 09 Apr 2024 Diagnosed : 09 Apr 2024 - Wes Davis

GFL Environmental - 411 - Kingsford HC

Base Number

(mg K0H/g)

Base

0.0

1001 E Blvd Kingsford, MI US 49802

Contact: Service Manager

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)

Report Id: GFL411 [WUSCAR] 06141957 (Generated: 04/09/2024 15:00:53) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

T:

F: