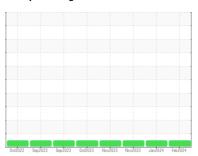


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id 710011 Component Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (25 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

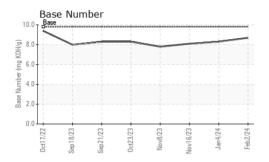
Fluid Condition

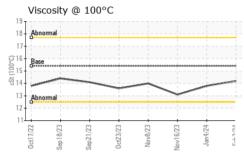
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Oxforz Sapitorz Sapitorz Oxforz Sapitorz Oxforz Noviderz Noviderz Noviderz Noviderz Noviderz Noviderz Sapitorz Sapitorz Noviderz						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110090	GFL0104187	GFL0059292
Sample Date		Client Info		02 Feb 2024	04 Jan 2024	16 Nov 2023
Machine Age	hrs	Client Info		12025	11702	11305
Oil Age	hrs	Client Info		600	11702	11305
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
- uel		WC Method	>3.0	<1.0	<1.0	<1.0
Vater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	8	1	9
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Γitanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	0	5
_ead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	0	<1	12
Γin	ppm	ASTM D5185m	>15	0	0	<1
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	<1	2
Barium	ppm	ASTM D5185m	0	5	0	0
Molybdenum	ppm	ASTM D5185m	60	57	53	53
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	1010	910	925	835
Calcium	ppm	ASTM D5185m	1070	969	985	946
Phosphorus	ppm	ASTM D5185m	1150	920	926	938
Zinc	ppm	ASTM D5185m	1270	1164	1248	1135
Sulfur	ppm	ASTM D5185m	2060	3031	2904	2852
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	1	7
Sodium	ppm	ASTM D5185m		0	<1	4
Potassium	ppm	ASTM D5185m	>20	2	<1	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	4.5	5.7	5.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	18.3	18.8
Juliation						
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	DATION Abs/.1mm	method *ASTM D7414	limit/base	current	history1 14.0	history2 14.2



OIL ANALYSIS REPORT

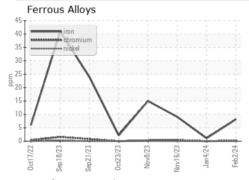


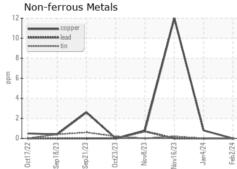


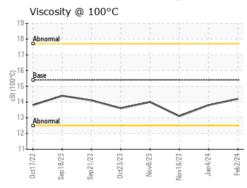
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

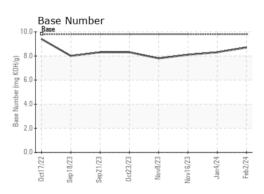
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	13.8	13.1

GRAPHS













Laboratory Sample No.

Lab Number **Unique Number**

: GFL0110090 : 06081132 : 10863223

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 06 Feb 2024 Recieved Diagnosed : 06 Feb 2024 Diagnostician : Wes Davis

GFL Environmental - 410 - Michigan West

39000 Van Born Rd Wayne, MI US 48184

Contact: Belal Dgheish bdgheish@gflenv.com T: (734)714-2340

Test Package : FLEET Certificate L2367 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)