

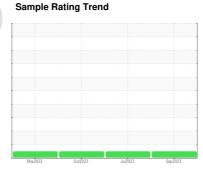
OIL ANALYSIS REPORT



{UNASSIGNED} 324M

Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (36 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

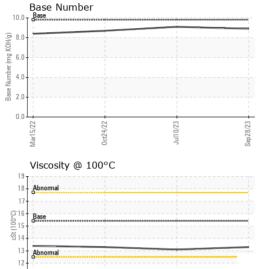
Fluid Condition

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

			OULUL			
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0084981	GFL0084904	GFL0059208
Sample Date		Client Info		28 Sep 2023	10 Jul 2023	24 Oct 2022
Machine Age	hrs	Client Info		27273	27308	26766
Oil Age	hrs	Client Info		212	27308	26766
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	3	6	3
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
	ppm	ASTM D5185m	>2	0	<1	0
	ppm	ASTM D5185m	>2	0	0	0
	ppm	ASTM D5185m	>20	2	2	0
	ppm	ASTM D5185m	>40	1	<1	0
	ppm	ASTM D5185m	>330	<1	1	0
	ppm		>15	<1	<1	0
	ppm	ASTM D5185m	7.0	0	<1	0
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	4	<1	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	55	52
	ppm	ASTM D5185m	0	<1	<1	<1
	ppm	ASTM D5185m	1010	903	893	885
-	ppm	ASTM D5185m	1070	1025	1021	1001
	ppm	ASTM D5185m	1150	1014	958	935
	ppm	ASTM D5185m	1270	1224	1178	1176
	ppm	ASTM D5185m	2060	3052	3505	3229
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	3
	ppm	ASTM D5185m		2	13	1
	ppm	ASTM D5185m	>20	2	4	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.2	0.3	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.7	7.0	13.2
	Abs/.1mm	*ASTM D7415	>30	17.5	18.7	12.8
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	14.3	7.1
		ASTM D2896		8.9	9.1	8.7
(=)	33					



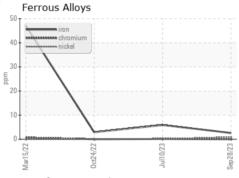
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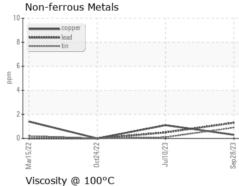


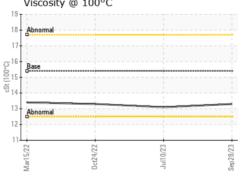
			limit/base	current	history1	history2
White Metal so	calar '	*Visual	NONE	NONE	NONE	NONE
Yellow Metal so	calar '	*Visual	NONE	NONE	NONE	NONE
Precipitate so	calar '	*Visual	NONE	NONE	NONE	NONE
Silt	calar '	*Visual	NONE	NONE	NONE	NONE
Debris so	calar '	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt so	calar '	*Visual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

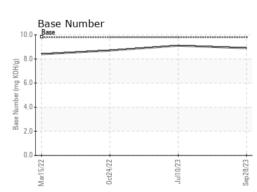
FLUID PROP	ERIIES	method			riistory i	History2
Visc @ 100°C	cSt	ASTM D445	15.4	13.3	13.1	13.3

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10686630

: GFL0084981 : 05974680 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Oct 2023 Diagnosed

: 11 Oct 2023 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

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)