

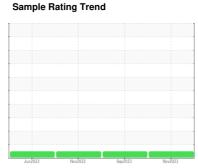
OIL ANALYSIS REPORT



{UNASSIGNED} **243M**

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

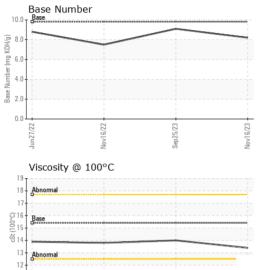
Fluid Condition

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

		Jun202	2 Nov2022	Sep.2023 N	ov2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Oil Age	hrs	Client Info Client Info Client Info Client Info		GFL0059232 16 Nov 2023 25899 25899	GFL0085047 25 Sep 2023 25486 2185	GFL0059190 16 Nov 2022 23301 23301
Oil Changed Sample Status		Client Info		Changed NORMAL	Changed NORMAL	Changed NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method	>3.0 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron Chromium Nickel	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>90 >20 >2	7 <1 0	34 2 0	33 1 0
Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>2	0 0 4	<1 0 10	<1 1 4
Lead Copper Tin	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 11 <1	<1 5 1	2 2 <1
Vanadium Cadmium ADDITIVES	ppm	ASTM D5185m ASTM D5185m method	limit/base	0 0 current	0 0 history1	0 0 history2
Boron	ppm		0	2	2	2
Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		0 53	0 58	0 62
Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m		<1 838	2 954	<1 895
Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	1070 1150 1270	957 937 1127	1075 1039 1285	1146 1033 1257
Sulfur	ppm	ASTM D5185m	2060	2843	3086	3395
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	5 3 6	8 10 4	4 2 2
INFRA-RED		method	limit/base	current	history1	history2
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>6 >20 >30	0.2 5.2 18.6	0.1 5.8 17.8	0.6 12.0 23.7
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	13.8	20.8



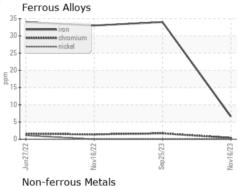
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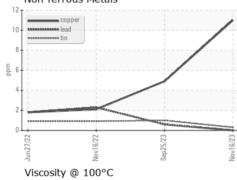


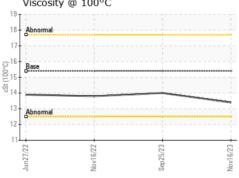
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

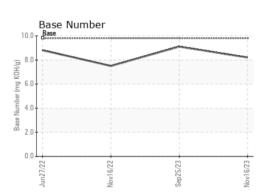
L LOID PROPI	ERITES	method			riistory i	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	14.0	13.8

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10753939

: GFL0059232 : 06014795 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Nov 2023 Diagnosed : 23 Nov 2023

Diagnostician : Wes Davis

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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