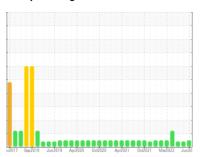


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id
3771
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (10 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

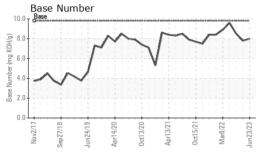
Fluid Condition

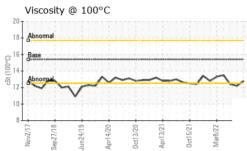
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL) ***C017 Sep2018 Jen2021 Apr2021 Oct2020 Apr2021 Oct2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Apr2021 Oct2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Apr2021 Oct2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Apr2021 Oct2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Apr2021 Oct2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Apr2021 Oct2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Apr2021 Oct2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Oct2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Jen2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Jen2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Jen2021 Med 2022 Jen2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Jen2021 Med 2022 Jen2021 Med 2022 Jun 20 ***C017 Sep2018 Jen2021 Jen2021 Med 2022 Jen2021 Jen2021 Med 2022 Jen2021 Jen2021 Med 2022 Jen2021 Jen2021 Med 2022 Jen2021 Med 2022 Jen2021 Jen2021 Jen2021 Med 2022 Jen2021						
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0079041	GFL0049383	GFL0049403
Sample Date		Client Info		23 Jun 2023	06 Feb 2023	11 Aug 2022
Machine Age	hrs	Client Info		13364	234989	9876
Oil Age	hrs	Client Info		0	0	8185
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	MARGINAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>3.0	<1.0	<1.0	0.2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>165	13	11	12
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	<1	<1
Lead	ppm	ASTM D5185m	>150	3	3	2
Copper	ppm	ASTM D5185m	>90	2	1	1
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	5	1	9
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	58	53	54
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	885	831	856
Calcium	ppm	ASTM D5185m	1070	1103	1121	1150
Phosphorus	ppm	ASTM D5185m	1150	997	921	981
Zinc	ppm	ASTM D5185m	1270	1245	1169	1235
Sulfur	ppm	ASTM D5185m	2060	3170	3180	2982
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>35	7	6	6
Sodium	ppm	ASTM D5185m		4	2	5
Potassium	ppm	ASTM D5185m	>20	<1	0	0
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>7.5	0.3	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	8.5	7.6	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	18.9	20.7
FLUID DEGRAI	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	14.5	15.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.0	7.8	8.5
Dago Namber (DIN)	ing Noring	7.0 TW D2000	0.0	0.0	7.0	0.0



OIL ANALYSIS REPORT

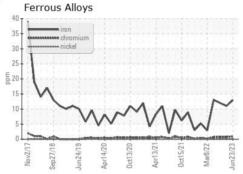


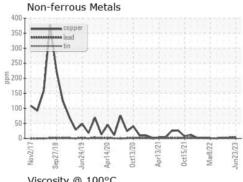


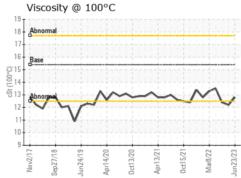
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

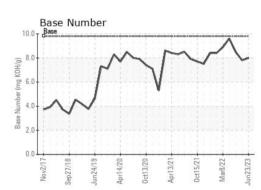
FLUID PROP	EHILO	method			flistory i	flistory 2
Visc @ 100°C	cSt	ASTM D445	15.4	12.8	<u> </u>	▲ 12.4

GRAPHS













Certificate L2367

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

: GFL0079041 : 05887319 : 10537802 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 Jun 2023

: 02 Jul 2023 Diagnosed Diagnostician : Wes Davis

GFL Environmental - 029 - Wytheville

2390 North 4th Street Wytheville, VA US 24382

Contact: CHARLES CORVIN

charles.corvin@gflenv.com;canastasio@wearcheckusa.com T: (276)223-4476

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) F: (276)223-1283