

OIL ANALYSIS REPORT

Base Number (BN) mg KOH/g ASTM D2896 9.8

Sample Rating Trend

NORMAL



Diesel Engine

PETRO CANADA DURON SHP 15W40 (40 QTS)

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.

TS)						
SAMPLE INFOR	MATION	method	limit/base	9 Apr2020 Sep2020 May2021 Mar20 Current	history1	history2
Sample Number		Client Info		GFL0102310	GFL0071547	GFL0061699
Sample Date		Client Info		22 Dec 2023	07 Jun 2023	23 Feb 2023
Anna Age	hrs	Client Info		18669	18669	18669
Dil Age	hrs	Client Info		600	600	600
)il Changed		Client Info		Changed	Changed	Changed
ample 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		NEG	NEG	NEG
lycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>165	9	18	14
Chromium	ppm	ASTM D5185m	>5	0	1	<1
lickel	ppm	ASTM D5185m	>4	0	<1	0
ïtanium	ppm	ASTM D5185m	>2	0	0	0
ilver	ppm	ASTM D5185m	>2	0	0	<1
luminum	ppm	ASTM D5185m	>20	1	7	1
ead	ppm	ASTM D5185m	>150	0	3	2
opper	ppm	ASTM D5185m	>90	0	0	<1
in	ppm	ASTM D5185m	>5	0	<1	<1
anadium	ppm	ASTM D5185m		0	0	<1
admium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
oron	ppm	ASTM D5185m	0	6	4	8
arium	ppm	ASTM D5185m	0	0	0	0
lolybdenum	ppm	ASTM D5185m	60	48	65	67
langanese	ppm	ASTM D5185m	0	0	<1	<1
lagnesium	ppm	ASTM D5185m	1010	829	1020	940
alcium	ppm	ASTM D5185m	1070	1052	1141	1201
hosphorus	ppm	ASTM D5185m	1150	872	1131	1044
inc	ppm	ASTM D5185m		1121	1417	1351
Sulfur	ppm	ASTM D5185m		2779	3928	3645
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	5	8	8
odium	ppm	ASTM D5185m		2	4	4
otassium	ppm	ASTM D5185m	>20	0	6	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0.6	0.6	0.6
litration	Abs/cm	*ASTM D7624	>20	7.7	10.2	7.6
Sulfation	Abs/.1mm	*ASTM D7415		19.7	22.4	19.4
FLUID DEGRA		method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414		15.0	19.8	14.3
Base Number (BN)	ma KOU/a	ACTM DOODE	0.0	9.6	7 /	<u>8</u> 1

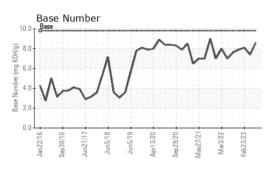
8.6

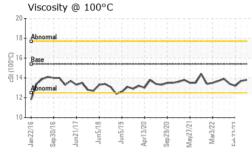
8.1

7.4

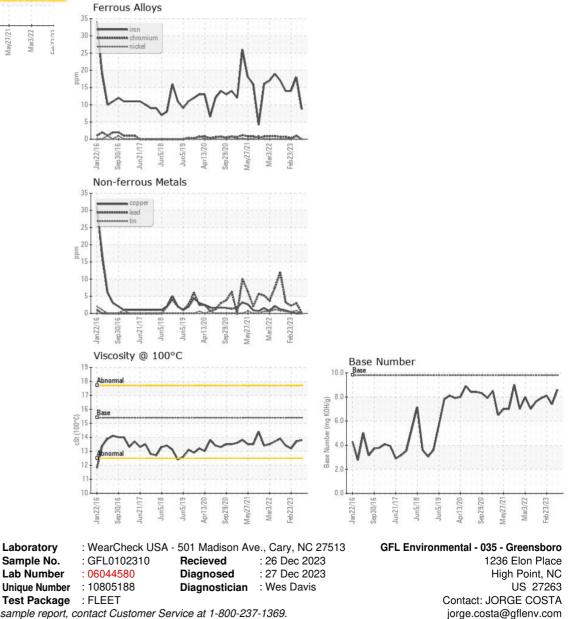


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.7	13.2
GRAPHS						



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)

Certificate L2367

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