

OIL ANALYSIS REPORT

Area (1203948) 926053-377

Diesel Engine

Fluid

PETRO CANADA DURON SHP 15W40 (12 G

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.

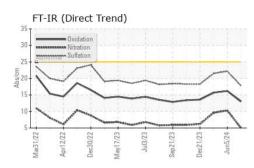
GAL)						Ň
SAMPLE INFOR		method	limit/base	current	history1	history2
			iiiiii/base			
Sample Number		Client Info		GFL0125853	GFL0118683	GFL0118711
Sample Date		Client Info		24 Jun 2024	05 Jun 2024	29 Apr 2024
Machine Age	hrs	Client Info Client Info		27724	26969	166406
Oil Age	hrs			200	170 Channed	166406
Oil Changed Sample Status		Client Info		Not Changd NORMAL	Changed ABNORMAL	Not Changd ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method		<1.0	<1.0	<1.0
Water		WC Method		<1.0 NEG	NEG	NEG
Glycol		WC Method	>0.2	NEG	NEG	NEG
-	0			-	-	-
WEAR METAL	.S	method	limit/base		history1	history2
Iron	ppm	ASTM D5185m	>90	14	9 8	1 75
Chromium	ppm	ASTM D5185m		1	6	5
Nickel	ppm	ASTM D5185m	>2	<1	A 3	<u> </u>
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	9	4 5	<u> </u>
_ead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	1	7	4
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	58	65	66
Vanganese	ppm	ASTM D5185m	0	<1	1	0
Vagnesium	ppm	ASTM D5185m	1010	1025	979	1087
Calcium	ppm	ASTM D5185m	1070	1087	1104	1212
Phosphorus	ppm	ASTM D5185m	1150	1165	966	1150
Zinc	ppm	ASTM D5185m	1270	1353	1237	1427
Sulfur	ppm	ASTM D5185m	2060	3790	3108	3857
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	12	9
Sodium	ppm	ASTM D5185m		8	13	7
Potassium	ppm	ASTM D5185m	>20	2	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.2	1.5	1.2
Nitration	Abs/cm	*ASTM D7624	>20	5.0	10.3	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	22.2	21.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.0	16.2	15.7
Base Number (BN)	mg KOH/g	ASTM D2896		9.6	8.8	8.6
	g ito ing	LIG I III DE000		0.0	0.0	0.0

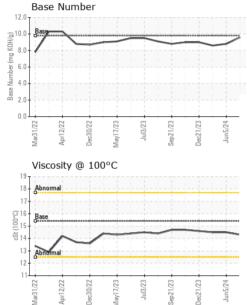
Sample Rating Trend

NORMAL



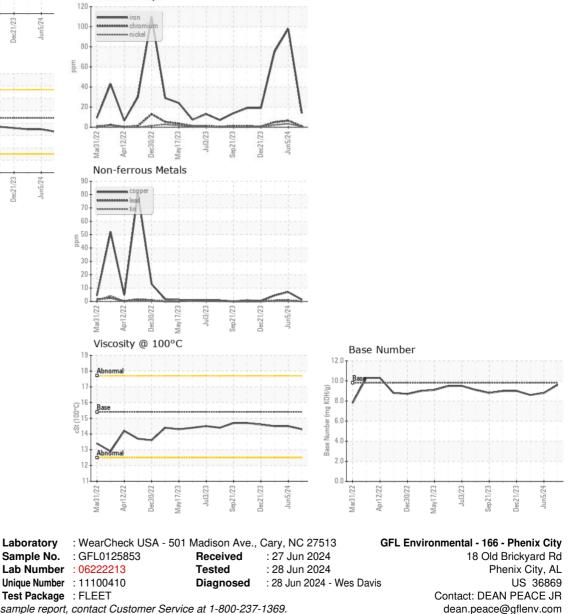
OIL ANALYSIS REPORT





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 PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	14.5	14.5
GRAPHS						

Ferrous Alloys



 Unique Number
 : 11100410
 Diagnosed
 : 28 Jun 2024 - Wes Davis

 Certificate 12367
 Test Package
 : FLEET
 Contact: DE

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 dean.pead

 * - 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)

Page 2 of 2

T:

F: