

OIL ANALYSIS REPORT

SAMPLE INFORMA

ppm

ppm

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

CONTAMINATIC

WEAR METALS

Oil Age

Fuel

Water

Glycol

Iron

Nickel

Silver

Lead

Copper

Titanium

Aluminum

Chromium

Sample Rating Trend





Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (46 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.

I N				N	ORMAL
	4pr2021 Sep.	2021 Feb2022 Jul2022	Jan2023 Aug2023 Nov2023	Ju:024	
MATION	method	limit/base	current	history1	history2
hrs hrs	Client Info Client Info Client Info Client Info Client Info WC Method	limit/base >5 >0.2	GFL0110351 31 Jan 2024 9195 601 Changed NORMAL current <1.0 NEG	GFL0102771 11 Jan 2024 9083 489 Not Changd NORMAL history1 <1.0 NEG	GFL0102797 30 Nov 2023 8745 8594 Not Changd NORMAL history2 <1.0 NEG
	WC Method	, 0.1	NEG	NEG	NEG
S	method	limit/base	current	history1	history2
ppm ppm	ASTM D5185m ASTM D5185m	>100 >20	13 1	9 <1	<1 0
ppm ppm	ASTM D5185m ASTM D5185m	>4	<1 <1	0	<1 0
ppm	ASTM D5185m ASTM D5185m	>3	0 <1	0	0
ppm	ASTNI DS185M	>20	<1	I	2

<1

<1

0

<1

<1

0

	1-1-					
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5	5	8
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	59	60	58
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	907	897	904
Calcium	ppm	ASTM D5185m	1070	976	1083	1044
Phosphorus	ppm	ASTM D5185m	1150	894	1004	1070
Zinc	ppm	ASTM D5185m	1270	1181	1195	1268
Sulfur	ppm	ASTM D5185m	2060	2744	2979	3226
CONTAMINAN	ITS I	method			history1	history2

ASTM D5185m >40

ASTM D5185m >330

CONTAIVIINA	1115	method	iinii/base	current	nistory i	nistoryz
Silicon	ppm	ASTM D5185m	>25	3	3	3
Sodium	ppm	ASTM D5185m		0	2	<1
Potassium	ppm	ASTM D5185m	>20	6	3	2

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.1	0.9	0.4
Nitration	Abs/cm	*ASTM D7624	>20	7.8	7.1	5.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	19.4	17.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	13.4	12.5
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.3	8.4	8.9



13 Abnormal

12

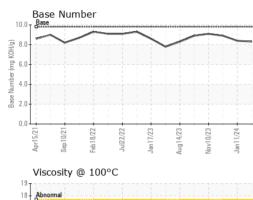
Apr15/21

Sep10/21

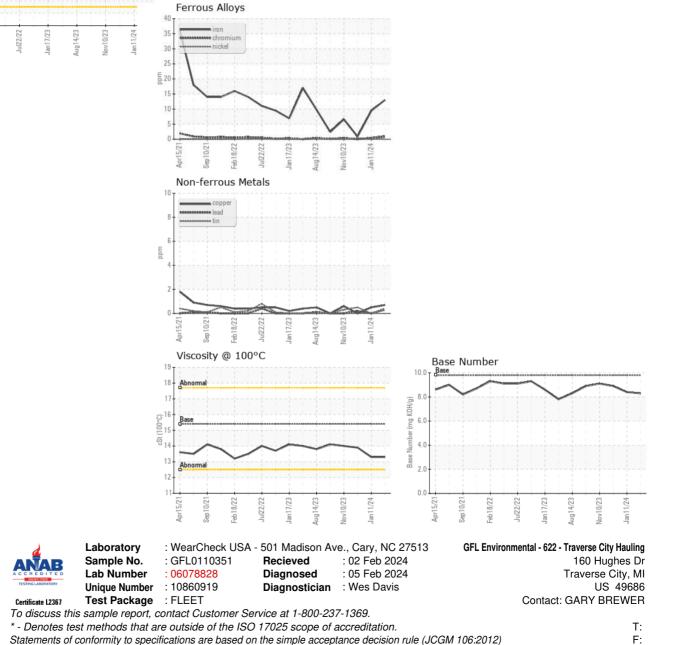
eb18/22

OIL ANALYSIS REPORT

VISUAL







Submitted By: TECHNICIAN ACCOUNT