

OIL ANALYSIS REPORT

Area (YA146824) Machine Id AUTOCAR 10908 Component

Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (8 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

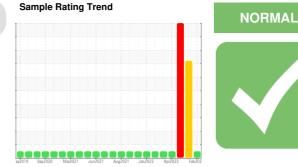
All component wear rates are normal.

Contamination

Fuel content negligible. 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.



-			2020 Mar2021 Jun20	121 Aug2021 Jan2022 Apr2	022 Feb202	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111388	GFL0051497	GFL0059036
Sample Date		Client Info		28 Feb 2024	05 Dec 2022	17 Oct 2022
Machine Age	hrs	Client Info		10723	0	9351
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	SEVERE	SEVERE
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>75	2	73	57
Chromium	ppm	ASTM D5185m	>5	0	2	3
Nickel	ppm	ASTM D5185m	>4	0	2	2
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>15	<1	11	8
Lead	ppm	ASTM D5185m	>25	0	<1	3
Copper	ppm	ASTM D5185m	>100	1	34	<u> </u>
Tin	ppm	ASTM D5185m	>4	0	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	11	3	183
Barium	ppm	ASTM D5185m	0	0	0	9
Molybdenum	ppm	ASTM D5185m	60	54	59	204
Manganese	ppm	ASTM D5185m	0	0	2	2
Magnesium	ppm	ASTM D5185m	1010	899	799	722
Calcium	ppm	ASTM D5185m	1070	999	940	954
Phosphorus	ppm	ASTM D5185m	1150	986	756	665
Zinc	ppm	ASTM D5185m	1270	1158	1032	1037
Sulfur	ppm	ASTM D5185m	2060	2836	2605	3010
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	11	1 27
Sodium	ppm	ASTM D5185m		4	<u> </u>	🔺 5536
Potassium	ppm	ASTM D5185m	>20	0	1 11	<u> </u>
Fuel	%	ASTM D3524	>3.0	0.5	▲ 9.0	<1.0
Glycol	%	*ASTM D2982		NEG	▲ 0.06	▲ 0.20
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.1	1	1.1
Nitration	Abs/cm	*ASTM D7624	>20	4.6	14.3	19.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.4	24.8	31
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.5	24.9	19.1

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

6.9

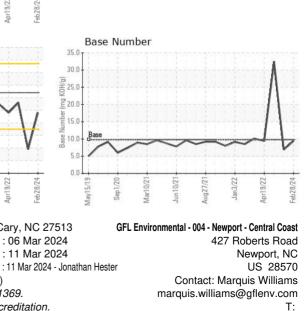
9.4

32.5



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NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.8

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

10.9

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

>0.2

15.4

eh28/7

NONE

NONE

NONE

NONE

NONE

NONE

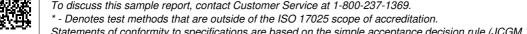
NORML

NORML

NEG

NEG

14.6



Test Package : FLEET (Additional Tests: PercentFuel)

:06109908

Diagnosed

Tested

Apr19/22

Certificate L2367

Lab Number

Unique Number : 10913405