

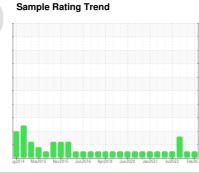
OIL ANALYSIS REPORT

(YA117923) PETERBILT 2564

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

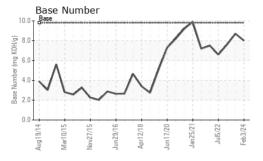
Fluid Condition

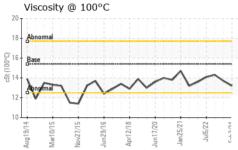
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

JAL)		1g2014 Mar20	15 Nov2015 Jun2016	Apr2018 Jun2020 Jan2021 Jul	2022 Feb202	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111394	GFL0072242	GFL0059050
Sample Date		Client Info		03 Feb 2024	12 Jul 2023	07 Nov 2022
Machine Age	mls	Client Info		0	216167	216167
Oil Age	mls	Client Info		0	23200	216167
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	MARGINAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>165	10	12	80
Chromium	ppm	ASTM D5185m	>5	<1	<1	3
Nickel	ppm	ASTM D5185m	>4	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	<1	3
Lead	ppm	ASTM D5185m	>150	1	0	12
Copper	ppm	ASTM D5185m	>90	2	<1	2
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	history1	history2
Boron	ppm	ASTM D5185m	0	4	6	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	63	62	63
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	957	862	970
Calcium	ppm	ASTM D5185m	1070	990	1067	1227
Phosphorus	ppm	ASTM D5185m	1150	927	1017	1017
Zinc	ppm	ASTM D5185m	1270	1224	1148	1302
Sulfur	ppm	ASTM D5185m	2060	2807	2874	3235
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	5	7	14
Sodium	ppm	ASTM D5185m		7	<1	7
Potassium	ppm	ASTM D5185m	>20	7	3	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0.3	0.8	2.2
Nitration	Abs/cm	*ASTM D7624	>20	6.8	8.2	17
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	19.9	31.9
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	14.6	26.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.0	8.7	7.6



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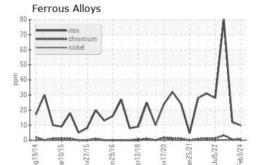


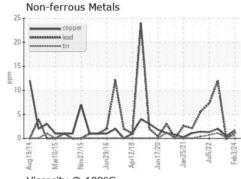


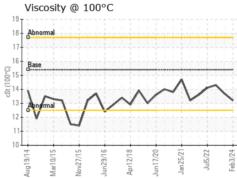
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

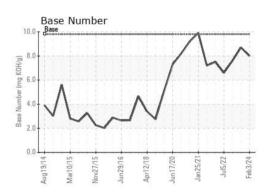
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.2	13.7	14.3	

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06078151 Unique Number : 10860242 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0111394

Received **Tested** Diagnosed

: 02 Feb 2024 : 05 Feb 2024 : 05 Feb 2024 - Wes Davis

GFL Environmental - 004 - Newport - Central Coast

427 Roberts Road Newport, NC US 28570

F: (252)223-6010

Contact: Marquis Williams marquis.williams@gflenv.com

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)

Report Id: GFL004 [WUSCAR] 06078151 (Generated: 02/11/2024 21:12:30) Rev: 1

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