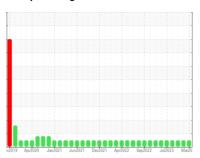


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



2831 PETERBILT 567

Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (48 QTS)

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

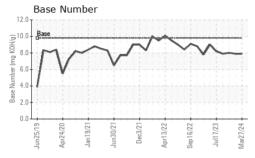
Fluid Condition

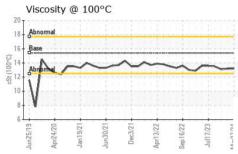
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

QTS)	(S)						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0103173	GFL0094768	GFL0094666	
Sample Date		Client Info		27 Mar 2024	25 Jan 2024	02 Nov 2023	
Machine Age	hrs	Client Info		14315	13753	13027	
Oil Age	hrs	Client Info		1288	726	580	
Oil Changed		Client Info		Not Changd	Not Changd	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
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	7	9	8	
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	<1	
Titanium	ppm	ASTM D5185m	>2	0	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	<1	
Aluminum	ppm	ASTM D5185m	>20	2	1	1	
Lead	ppm	ASTM D5185m	>150	<1	<1	<1	
Copper	ppm	ASTM D5185m	>90	0	<1	1	
Tin	ppm	ASTM D5185m	>5	0	0	0	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	5	5	3	
Barium	ppm	ASTM D5185m	0	0	0	4	
Molybdenum	ppm	ASTM D5185m	60	54	62	58	
Manganese	ppm	ASTM D5185m	0	0	0	0	
Magnesium	ppm	ASTM D5185m	1010	908	986	844	
Calcium	ppm	ASTM D5185m	1070	1025	1110	1067	
Phosphorus	ppm	ASTM D5185m	1150	1004	1048	855	
Zinc	ppm	ASTM D5185m	1270	1236	1246	1149	
Sulfur	ppm	ASTM D5185m	2060	3404	3050	3046	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>35	6	7	10	
Sodium	ppm	ASTM D5185m		3	4	1	
Potassium	ppm	ASTM D5185m	>20	2	<1	2	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>7.5	0.3	0.3	0.4	
Nitration	Abs/cm	*ASTM D7624	>20	8.7	8.6	8.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.8	20.2	
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.5	16.4	16.6	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.9	7.9	8.0	



OIL ANALYSIS REPORT

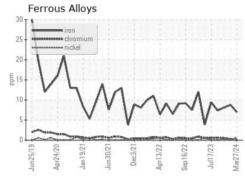


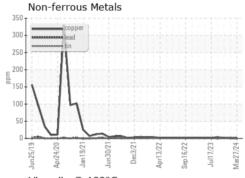


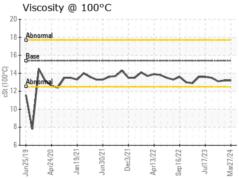
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

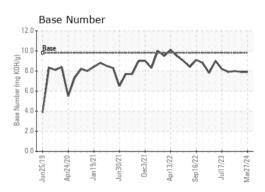
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.2	13.2	13.1

GRAPHS













Report Id: GFL001 [WUSCAR] 06133027 (Generated: 03/31/2024 01:32:37) Rev: 1

Laboratory Sample No. Lab Number : 06133027

: GFL0103173 Unique Number : 10952492

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

Received **Tested** Diagnosed

: 29 Mar 2024 : 31 Mar 2024

: 31 Mar 2024 - Wes Davis

GFL Environmental - 001 - Raleigh(CNG)

3741 Conquest Drive Garner, NC US 27529

Contact: Craig Johnson craig.johnson@gflenv.com

T: (919)662-7100 F: (919)662-7130

Test Package : FLEET Certificate L2367 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)

Submitted By: aka Keith - Ronald Gregory