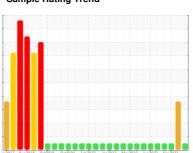


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 10719 Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (29 GAL)

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

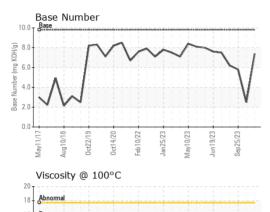
Fluid Condition

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

wg2017 Aug2018 Des2019 Des2019 Ges2020 Feb.2022 Jan.2023 Mag2023 Jun.2023 Sep.2023						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0109909	GFL0097873	GFL0094281
Sample Date		Client Info		19 Jan 2024	02 Nov 2023	25 Sep 2023
Machine Age	hrs	Client Info		10942	10696	10563
Oil Age	hrs	Client Info		243	695	562
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	1.8	<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	>100	11	34	31
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	11	6
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	<1	7	1
Tin	ppm	ASTM D5185m	>15	0	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5	4 7	5
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	60	55	26	62
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	799	▲ 352	762
Calcium	ppm	ASTM D5185m	1070	1031	▲ 506	1074
Phosphorus	ppm	ASTM D5185m	1150	837	▲ 519	912
Zinc	ppm	ASTM D5185m	1270	1049	497	1138
Sulfur	ppm	ASTM D5185m	2060	2595	2039	2813
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	8	6
Sodium	ppm	ASTM D5185m		5	8	6
Potassium	ppm	ASTM D5185m	>20	0	1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.2	1.5
Nitration	Abs/cm	*ASTM D7624	>20	7.0	6.0	9.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.7	30.0	21.3
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.3	34.4	16.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.4	<u>^</u> 2.5	5.8
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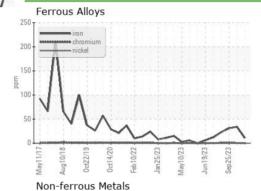
OIL ANALYSIS REPORT

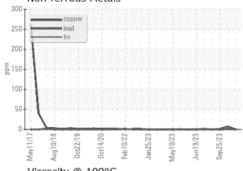


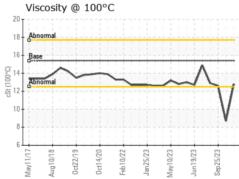
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

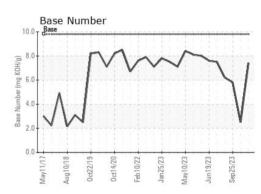
FLUID PROPE	RHES	method			history1	history
Visc @ 100°C	cSt	ASTM D445	15.4	12.8	▲ 8.7	12.6

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Test Package : FLEET

: 06069314 Unique Number : 10845991

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0109909

Recieved : 24 Jan 2024 : 24 Jan 2024 Diagnosed Diagnostician : Wes Davis

GFL Environmental - 010 - Stockbridge 1280 Rum Creek Parkway

Stockbridge, GA US 30281

Contact: JOSHUA TINKER joshuatinker@gflenv.com T:

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)

F: