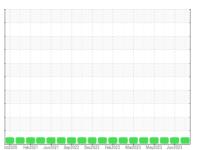


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
817000
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (32 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

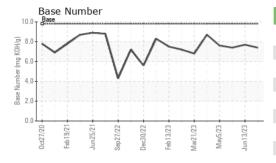
Fluid Condition

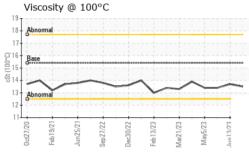
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

0.1.151.5.115				:2022 Feb2023 Mar2023 May2023		
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0068743	GFL0068712	GFL0068777
Sample Date		Client Info		03 Jul 2023	13 Jun 2023	25 May 2023
Machine Age	hrs	Client Info		14025	13906	13789
Oil Age	hrs	Client Info		236	117	431
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history 1	history 2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	5	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>120	6	4	7
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	1
Lead	ppm	ASTM D5185m	>40	<1	<1	2
Copper	ppm	ASTM D5185m	>330	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	5	7	6
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	60	63	64	62
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	958	1014	981
Calcium	ppm	ASTM D5185m	1070	1094	1143	1094
Phosphorus	ppm	ASTM D5185m	1150	964	1047	1005
Zinc	ppm	ASTM D5185m	1270	1213	1289	1286
Sulfur	ppm	ASTM D5185m	2060	3397	3796	3492
CONTAMINAN [*]	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	8	5	5
Sodium	ppm	ASTM D5185m		4	2	3
Potassium	ppm	ASTM D5185m	>20	3	2	1
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>4	0.4	0.2	0.4
Nitration	Abs/cm	*ASTM D7624	>20	6.7	5.6	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	18.7	20.3
FLUID DEGRAD	ATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	15.0	15.6
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.4	7.7	7.4



OIL ANALYSIS REPORT

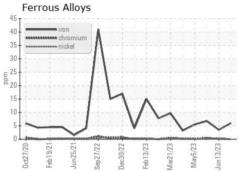


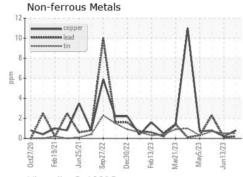


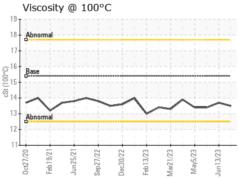
VISUAL		method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	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

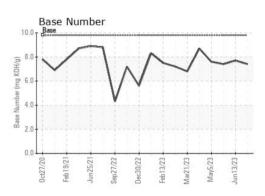
FLUID PROPE	RTIES	method			history 1	history 2
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.7	13.4

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10546862 Test Package : FLEET

: GFL0068743 : 05891052

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jul 2023

Diagnosed : 06 Jul 2023 Diagnostician : Wes Davis

GFL Environmental - 073 - Warner Robbins - Transwaste

155 Story Road Warner Robins, GA US 31093

Contact: JOSH MALONEY

jmaloney@gflenv.com T:

* - 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: