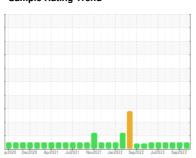


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



CUMMINS 810030

Component Discol Engine

Diesel Engine

PETRO CANADA DURON SHP 15W40 (28 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

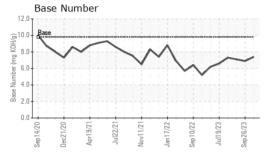
Fluid Condition

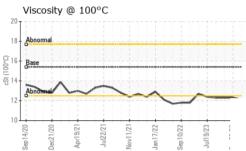
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		p2020 Dec202	0 Apr2021 Jul2021 N	ov2021 Jan2022 Sep2022 Jul202	3 Sep2023		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0109062	GFL0086202	GFL0086213	
Sample Date		Client Info		05 Jan 2024	26 Sep 2023	07 Sep 2023	
Machine Age	hrs	Client Info		15744	15150	15045	
Oil Age	hrs	Client Info		15744	15150	15045	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATIO	NC	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 METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>75	6	9	9	
Chromium	ppm	ASTM D5185m	>5	<1	0	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	0	
Titanium	ppm	ASTM D5185m	>2	<1	0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>15	2	<1	4	
Lead	ppm	ASTM D5185m	>25	<1	0	<1	
	ppm	ASTM D5185m	>100	1	<1	1	
Tin	ppm	ASTM D5185m	>4	<1	0	1	
	ppm	ASTM D5185m		0	0	<1	
	ppm	ASTM D5185m		<1	0	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	19	11	14	
	ppm	ASTM D5185m	0	0	0	0	
	ppm	ASTM D5185m	60	57	58	60	
	ppm	ASTM D5185m	0	<1	0	<1	
-	ppm	ASTM D5185m	1010	704	764	779	
	ppm	ASTM D5185m	1070	1097	1037	1107	
	ppm	ASTM D5185m	1150	772	883	912	
	ppm	ASTM D5185m	1270	1089	1112	1123	
	ppm	ASTM D5185m	2060	2862	2782	3273	
CONTAMINANTS method limit/base current history1 history2							
	ppm	ASTM D5185m	>25	4	4	4	
	ppm	ASTM D5185m		0	<1	2	
Potassium	ppm	ASTM D5185m	>20	3	5	7	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.3	0.5	0.4	
	Abs/cm	*ASTM D7624	>20	7.1	8.7	8.3	
	Abs/.1mm	*ASTM D7415	>30	17.7	18.9	17.9	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1	15.0	13.7	
	mg KOH/g	ASTM D2896	9.8	7.4	6.9	7.1	
Dasc Number (DIV)	ing Northy	AOTIVI DE030	0.0	1.7	0.0	1.1	



OIL ANALYSIS REPORT

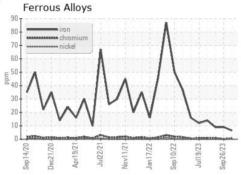


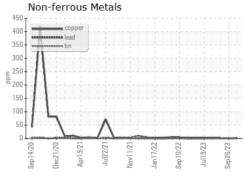


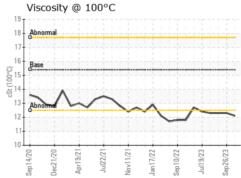
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

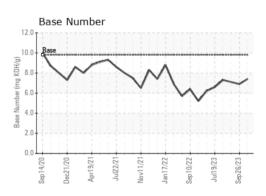
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.1	12.3	12.3

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : FLEET

: GFL0109062 : 06055271 : 10821220

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 09 Jan 2024 : 10 Jan 2024 Diagnosed Diagnostician : Wes Davis

GFL Environmental - 009 - Fairburn 6905 Roosevelt Hwy

Fairburn, GA US 30213 Contact: Eric Jones erjones@gflenv.com T: (678)630-9927

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)