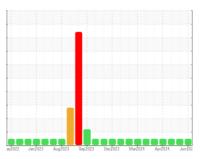


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **223031-10** Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (12 GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

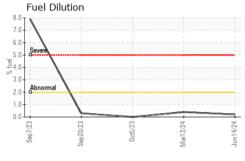
Fluid Condition

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

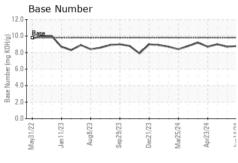
GAL) #\(\frac{1}{2} \) \(\frac{1}{2} \)						
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0125869	GFL0118667	GFL0118709
Sample Date		Client Info		14 Jun 2024	23 May 2024	01 May 2024
Machine Age	hrs	Client Info		27594	27468	27283
Oil Age	hrs	Client Info		135	400	600
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
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	6	6	1
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	1
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	<1	<1	0
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	<1	2
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	60	59	63	59
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	1012	1011	957
Calcium	ppm	ASTM D5185m	1070	1106	1126	1035
Phosphorus	ppm	ASTM D5185m	1150	1136	1160	1064
Zinc	ppm	ASTM D5185m	1270	1321	1294	1260
Sulfur	ppm	ASTM D5185m	2060	3801	3483	3704
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	3	2
Sodium	ppm	ASTM D5185m		3	<1	<1
Potassium	ppm	ASTM D5185m	>20	4	2	2
Fuel	%	ASTM D3524	>2.0	0.2	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.2
Nitration	Abs/cm	*ASTM D7624		5.3	6.5	5.5
Sulfation	Abs/.1mm	*ASTM D7415		17.8	18.7	18.2
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	15.0	14.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.8	8.7	9.0
Dago Hamber (DN)	my Rong	AOTHI DE000	5.0	0.0	0.1	0.0

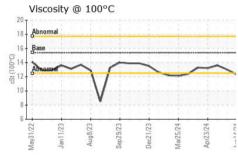


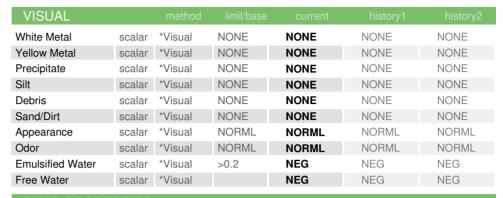
OIL ANALYSIS REPORT



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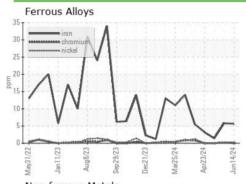


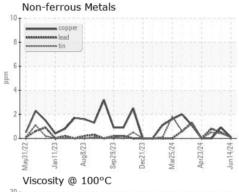


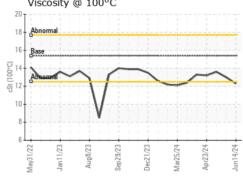


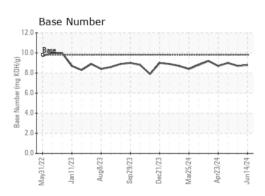
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.3	13.0	13.6

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06215434

: GFL0125869

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Unique Number : 11088298

: 20 Jun 2024 : 24 Jun 2024 Diagnosed Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

: 24 Jun 2024 - Wes Davis

Phenix City, AL US 36869 Contact: DEAN PEACE JR dean.peace@gflenv.com

18 Old Brickyard Rd

GFL Environmental - 166 - Phenix City

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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: GFL166 [WUSCAR] 06215434 (Generated: 06/24/2024 16:10:49) Rev: 1

Submitted By: DARRIN WRIGHT

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F: