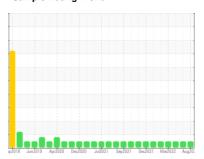


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2720** Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (8 GAL)

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

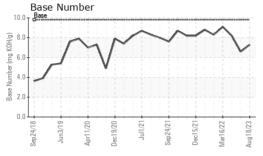
Fluid Condition

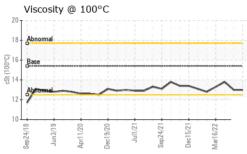
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

### 1							
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0069782	GFL0069771	GFL0043306	
Sample Date		Client Info		18 Aug 2023	17 May 2023	20 May 2022	
Machine Age	hrs	Client Info		13617	13183	10444	
Oil Age	hrs	Client Info		434	13183	248	
Oil Changed		Client Info		Changed	Changed	N/A	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2	
Fuel	ION	WC Method	>3.0	<1.0	<1.0	<1.0	
Glycol		WC Method	> 0.0	NEG	NEG	NEG	
_	C		lineit/lenen				
WEAR METAL		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>165	16	12	5	
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	<1	
Aluminum	ppm	ASTM D5185m	>20	2	2	2	
Lead	ppm	ASTM D5185m	>150	<1	2	<1	
Copper	ppm	ASTM D5185m	>90	4	1	<1	
Tin	ppm	ASTM D5185m	>5	0	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	12	9	14	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	66	66	61	
Manganese	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	900	861	992	
Calcium	ppm	ASTM D5185m	1070	1170	1157	1163	
Phosphorus	ppm	ASTM D5185m	1150	957	1010	1090	
Zinc	ppm	ASTM D5185m	1270	1182	1228	1279	
Sulfur	ppm	ASTM D5185m	2060	3346	2873	2900	
CONTAMINAN	TS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>35	4	4	4	
Sodium	ppm	ASTM D5185m		4	3	2	
Potassium	ppm	ASTM D5185m	>20	2	4	<1	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>7.5	0.3	0.4	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	8.5	10.3	7.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	22.2	18.7	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	18.5	14.4	
Base Number (BN)	mg KOH/g	ASTM D2896		7.3	6.6	8.2	
			0.0		0.0	U. L	



OIL ANALYSIS REPORT

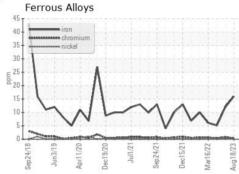


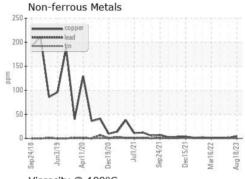


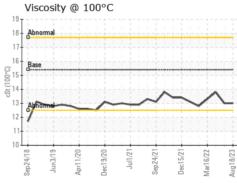
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual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

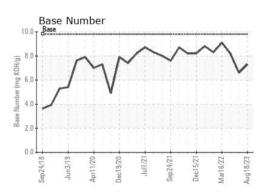
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.0	13.0	13.8	

GRAPHS













Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number** Test Package : FLEET

: GFL0069782 : 05930126

: 10615397

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Aug 2023

Diagnosed : 22 Aug 2023 Diagnostician : Wes Davis

GFL Environmental - 031 - Greenville/Spartanburg

1635 Antioch Church Rd Piedmont, SC US 29673

Contact: TECHNICIAN ACCOUNT catherine.anastasio@wearcheck.com

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)

T:

F: