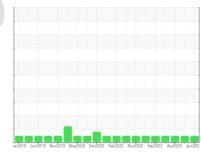


# **OIL ANALYSIS REPORT**

(14KM6A) 928079-260344

**Diesel Engine** 

PETRO CANADA DURON SHP 15W40 (--- GAL)



Sample Rating Trend





### 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

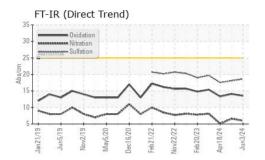
#### **Fluid Condition**

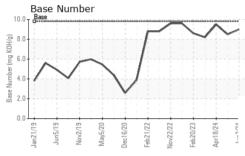
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

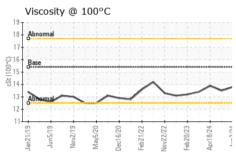
une)									
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0120241	GFL0117214	GFL0114065			
Sample Date		Client Info		03 Jun 2024	15 May 2024	18 Apr 2024			
Machine Age	hrs	Client Info		15886	15750	15563			
Oil Age	hrs	Client Info		0	600	0			
Oil Changed		Client Info		Not Changd	Changed	Not Changd			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINAT	ION	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 METAL	S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>75	5	13	11			
Chromium	ppm	ASTM D5185m	>5	<1	0	<1			
Nickel	ppm	ASTM D5185m	>4	0	0	0			
Titanium	ppm	ASTM D5185m	>2	<1	0	<1			
Silver	ppm	ASTM D5185m	>2	0	0	0			
Aluminum	ppm	ASTM D5185m	>15	4	3	3			
Lead	ppm	ASTM D5185m	>25	0	<1	0			
Copper	ppm	ASTM D5185m	>100	3	10	14			
Tin	ppm	ASTM D5185m	>4	<1	0	<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	3	9			
Barium	ppm	ASTM D5185m	0	1	0	2			
Molybdenum	ppm	ASTM D5185m	60	61	60	58			
Manganese	ppm	ASTM D5185m	0	0	0	1			
Magnesium	ppm	ASTM D5185m	1010	895	962	904			
Calcium	ppm	ASTM D5185m	1070	1119	1165	1162			
Phosphorus	ppm	ASTM D5185m	1150	991	1071	1072			
Zinc	ppm	ASTM D5185m	1270	1221	1289	1232			
Sulfur	ppm	ASTM D5185m	2060	3261	3716	3633			
CONTAMINAN	ITS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	3	3	8			
Sodium	ppm	ASTM D5185m		0	3	5			
Potassium	ppm	ASTM D5185m	>20	3	<1	<1			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>6	0.6	0.3	0.1			
Nitration	Abs/cm	*ASTM D7624	>20	6.0	6.6	5.1			
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	18.1	17.5			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.5	14.1	13.3			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.0	8.5	9.5			
(214)						0.0			

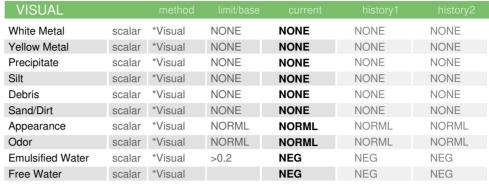


## **OIL ANALYSIS REPORT**





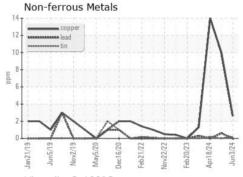


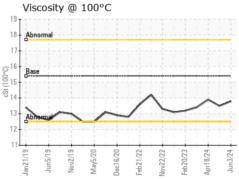


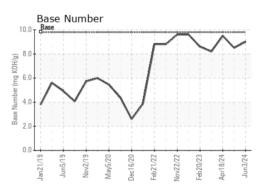
FLUID PROPE	RHES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.5	13.9

#### **GRAPHS**

# Ferrous Alloys 20











Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0120241 Lab Number : 06201054 Unique Number : 11063177

Received : 05 Jun 2024 **Tested** : 06 Jun 2024 Diagnosed

: 06 Jun 2024 - Wes Davis

GFL Environmental - 836 - Kansas City Hauling

7801 East Truman Road Kansas City, MO US 64126

Contact: Loyce Stewart loyce.stewart@gflenv.com

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)

T:

F: