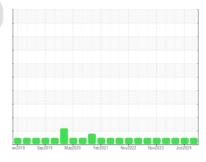


OIL ANALYSIS REPORT

(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

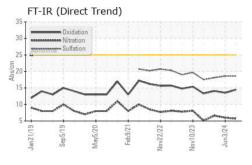
Fluid Condition

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

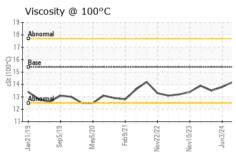
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0124048	GFL0120241	GFL0117214
Sample Date		Client Info		25 Jun 2024	03 Jun 2024	15 May 2024
Machine Age	hrs	Client Info		16047	15886	15750
Oil Age	hrs	Client Info		0	0	600
Oil Changed		Client Info		Not Changd	Not Changd	Changed
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	2	5	13
Chromium	ppm	ASTM D5185m	>5	0	<1	0
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>15	1	4	3
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>100	<1	3	10
Tin	ppm	ASTM D5185m	>4	0	<1	0
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	34	3	3
Barium	ppm	ASTM D5185m	0	0	1	0
Molybdenum	ppm	ASTM D5185m	60	45	61	60
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	1010	621	895	962
Calcium	ppm	ASTM D5185m	1070	1502	1119	1165
Phosphorus	ppm	ASTM D5185m	1150	833	991	1071
Zinc	ppm	ASTM D5185m	1270	1031	1221	1289
Sulfur	ppm	ASTM D5185m	2060	3096	3261	3716
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	3	3
Sodium	ppm	ASTM D5185m		2	0	3
Potassium	ppm	ASTM D5185m	>20	2	3	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.1	0.6	0.3
Nitration	Abs/cm	*ASTM D7624	>20	5.7	6.0	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	18.6	18.1
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5	13.5	14.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.2	9.0	8.5

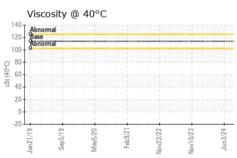


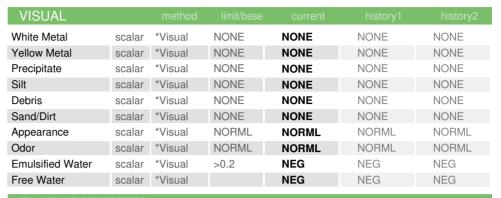
OIL ANALYSIS REPORT



	sity @	40°C				
Abnorm	al					
120 - Base Abnorm	al					
100						
30						
0						
		4-1-4				
6	6	0.	21-		23	74
21/1	Sep5/	1/2//	/epa-	22/2	10/2	Jun3/2
Jan2	S	May	æ	Nov22	Nov1	3

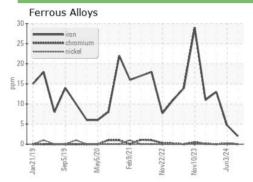


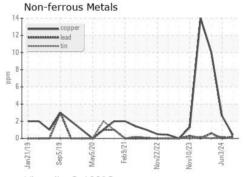


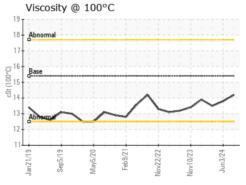


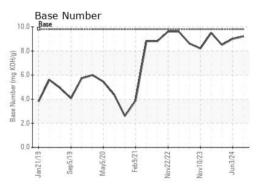
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	13.8	13.5

GRAPHS













Report Id: GFL836 [WUSCAR] 06223330 (Generated: 07/02/2024 04:24:01) Rev: 1

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0124048 Lab Number : 06223330

Received **Tested** Unique Number : 11101527

: 28 Jun 2024 : 01 Jul 2024 Diagnosed : 01 Jul 2024 - Don Baldridge

GFL Environmental - 836 - Kansas City Hauling 7801 East Truman Road

Kansas City, MO US 64126 Contact: Loyce Stewart

loyce.stewart@gflenv.com

Test Package : FLEET (Additional Tests: KV40) Certificate 12367

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)

Submitted By: ?

T:

F: