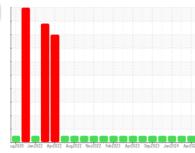


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id

827018-1030

Diesel Engine

PETRO CANADA DURON SHP E6 10W40 (--- LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

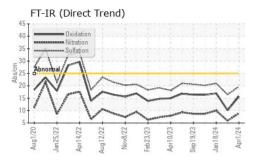
Fluid Condition

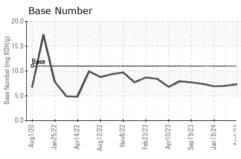
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

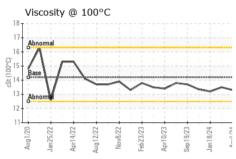
(LTR) wg2020 Jun2022 Apg2022 Apg2022 Apg2022 Apg2023 Apg2023 Sup2023 Jun2024 Apg202								
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		GFL0113626	GFL0103880	GFL0103877		
Sample Date		Client Info		01 Apr 2024	24 Jan 2024	18 Jan 2024		
Machine Age	mls	Client Info		18381	17894	17713		
Oil Age	mls	Client Info		459	42	417		
Oil Changed		Client Info		Not Changd	Changed	Changed		
Sample Status				NORMAL	NORMAL	NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2		
Fuel		WC Method	>5	<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	>110	9	3	9		
Chromium	ppm	ASTM D5185m	>4	<1	0	<1		
Nickel	ppm	ASTM D5185m	>2	0	0	<1		
Titanium	ppm	ASTM D5185m		<1	0	0		
Silver	ppm	ASTM D5185m	>2	0	0	<1		
Aluminum	ppm	ASTM D5185m	>25	2	<1	2		
Lead	ppm	ASTM D5185m	>45	2	<1	2		
Copper	ppm	ASTM D5185m	>85	<1	<1	2		
Tin	ppm	ASTM D5185m	>4	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	1	3	0	7		
Barium	ppm	ASTM D5185m	0	0	0	0		
Molybdenum	ppm	ASTM D5185m	49	55	13	58		
Manganese	ppm	ASTM D5185m	0	<1	0	<1		
Magnesium	ppm	ASTM D5185m	930	856	227	957		
Calcium	ppm	ASTM D5185m	1350	1453	2146	1076		
Phosphorus	ppm	ASTM D5185m	810	1057	970	1061		
Zinc	ppm	ASTM D5185m	930	1339	1185	1302		
Sulfur	ppm	ASTM D5185m	2500	4000	3857	2979		
CONTAMINAN	TS	method	limit/base	current	history1	history2		
Silicon	ppm		>30	6	4	8		
Sodium	ppm	ASTM D5185m		4	2	4		
Potassium	ppm	ASTM D5185m	>20	2	2	2		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>3	0.3	0.1	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	8.9	5.9	10.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	16.4	21.0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	10.1	17.0		
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	7.3	7.0	6.9		

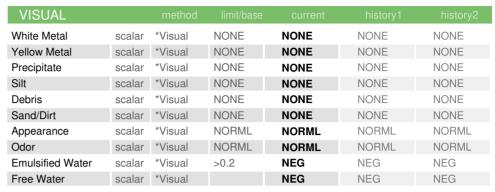


OIL ANALYSIS REPORT



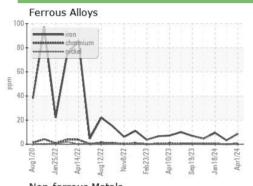


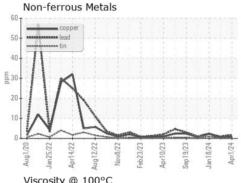


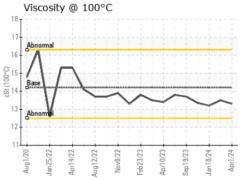


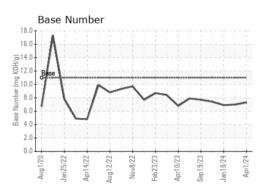
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14.2	13.3	13.5	13.2

GRAPHS













Laboratory Sample No.

Lab Number : 06142100

: GFL0113626 Unique Number : 10966908 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Apr 2024 **Tested**

: 09 Apr 2024 Diagnosed : 09 Apr 2024 - Wes Davis

GFL Environmental - 654S - Midlothian

12230 Deergrove Road Midlothian, VA

US 23112 Contact: Corbin Umphlet

cumphlet@gflenv.com T:

Certificate 12367

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)

Report Id: GFL654S [WUSCAR] 06142100 (Generated: 04/09/2024 15:50:45) Rev: 1

Submitted By: GFL654,GFL654S,GFL659 - Chuck Warr

F: