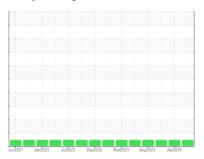


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **728021-1148**

Diesel Engine

PETRO CANADA DURON SHP 15W40 (24 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Sampled oil)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

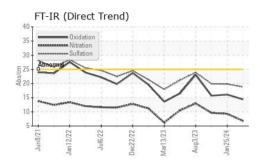
Fluid Condition

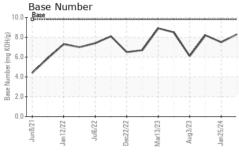
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

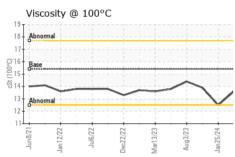
QTS) Jun2021 Jun2022 Jun2022 One2022 Mar2023 Jun2024								
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		GFL0103062	GFL0103051	GFL0102778		
Sample Date		Client Info		29 May 2024	25 Jan 2024	21 Nov 2023		
Machine Age	hrs	Client Info		14259	14259	14259		
Oil Age	hrs	Client Info		300	580	527		
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	>5	<1.0	<1.0	<1.0		
Water		WC Method	>0.2	NEG	NEG	NEG		
Glycol		WC Method		NEG	NEG	NEG		
WEAR METAL	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>80	8	14	11		
Chromium	ppm	ASTM D5185m	>5	0	<1	<1		
Nickel	ppm	ASTM D5185m	>2	0	0	<1		
Titanium	ppm	ASTM D5185m		<1	3	6		
Silver	ppm	ASTM D5185m	>3	0	0	<1		
Aluminum	ppm	ASTM D5185m	>30	2	1	3		
Lead	ppm	ASTM D5185m	>30	0	0	<1		
Copper	ppm	ASTM D5185m	>150	2	<1	0		
Tin	ppm	ASTM D5185m	>5	0	<1	<1		
Vanadium	ppm	ASTM D5185m		0	0	<1		
Cadmium	ppm	ASTM D5185m		0	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	0	6	17	53		
Barium	ppm	ASTM D5185m	0	0	0	0		
Molybdenum	ppm	ASTM D5185m	60	57	48	46		
Manganese	ppm	ASTM D5185m	0	0	0	<1		
Magnesium	ppm	ASTM D5185m	1010	874	810	781		
Calcium	ppm	ASTM D5185m	1070	1068	1101	1198		
Phosphorus	ppm	ASTM D5185m	1150	1003	839	896		
Zinc	ppm	ASTM D5185m	1270	1186	1087	1009		
Sulfur	ppm	ASTM D5185m	2060	3403	2739	2914		
CONTAMINAN		method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>20	0	3	8		
Sodium	ppm	ASTM D5185m	00	<1	2	3		
Potassium	ppm	ASTM D5185m		4	<1	5		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	6.8	9.3	9.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8	19.8	19.9		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	16.1	15.7		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.3	7.5	8.2		

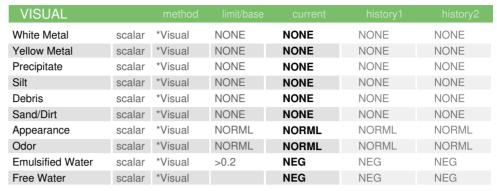


OIL ANALYSIS REPORT



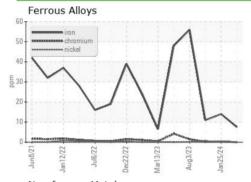


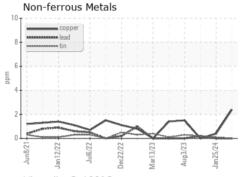


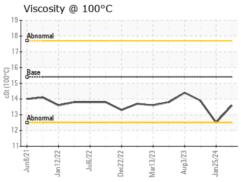


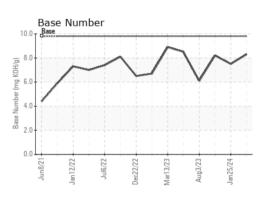
FLUID PROPI	EKITES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.4	13.6	12.5	13.9

GRAPHS













Certificate 12367

Laboratory Sample No. Lab Number : 06198936 Unique Number : 11061059

: GFL0103062

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Jun 2024

Tested : 05 Jun 2024 Diagnosed : 06 Jun 2024 - Don Baldridge

GFL Environmental - 622 - Traverse City Hauling

160 Hughes Dr Traverse City, MI US 49686

Contact: GARY BREWER

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: GFL622 [WUSCAR] 06198936 (Generated: 06/06/2024 09:40:58) Rev: 1

Submitted By: TECHNICIAN ACCOUNT

T:

F: