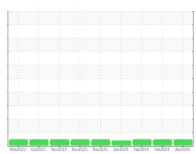


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 913151 Component

Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- 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 oil.

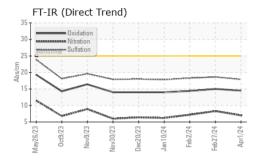
Fluid Condition

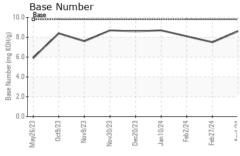
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

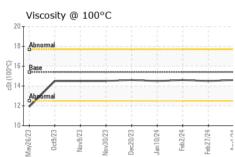
May2023									
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0109240	GFL0109316	GFL0109266			
Sample Date		Client Info		01 Apr 2024	27 Feb 2024	02 Feb 2024			
Machine Age	hrs	Client Info		2803	2546	2400			
Oil Age	hrs	Client Info		403	146	433			
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	>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	3	4	3			
Chromium	ppm	ASTM D5185m	>4	0	0	0			
Nickel	ppm	ASTM D5185m	>2	0	0	0			
Titanium	ppm	ASTM D5185m		9	28	25			
Silver	ppm	ASTM D5185m	>2	0	0	0			
Aluminum	ppm	ASTM D5185m	>25	1	3	2			
Lead	ppm	ASTM D5185m	>45	0	0	0			
Copper	ppm	ASTM D5185m	>85	0	<1	0			
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	8	24	26			
Barium	ppm	ASTM D5185m	0	0	0	0			
Molybdenum	ppm	ASTM D5185m	60	56	49	44			
Manganese	ppm	ASTM D5185m	0	0	<1	0			
Magnesium	ppm	ASTM D5185m	1010	966	911	900			
Calcium	ppm	ASTM D5185m	1070	1204	1385	1317			
Phosphorus	ppm	ASTM D5185m	1150	1077	1223	1124			
Zinc	ppm	ASTM D5185m	1270	1337	1419	1317			
Sulfur	ppm	ASTM D5185m	2060	3943	3733	3615			
CONTAMINANTS method limit/base current						history2			
Silicon	ppm	ASTM D5185m	>30	3	3	4			
Sodium	ppm	ASTM D5185m		1	2	1			
Potassium	ppm	ASTM D5185m	>20	2	6	4			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.2	0.2	0.1			
Nitration	Abs/cm	*ASTM D7624	>20	7.0	8.3	7.2			
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9	18.6	18.3			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5	15.0	14.4			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.6	7.5	8.1			
	9								

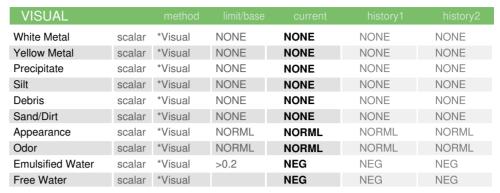


OIL ANALYSIS REPORT



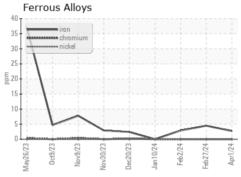




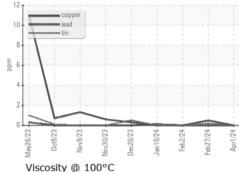


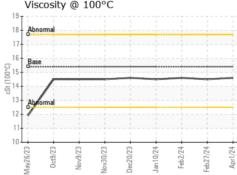
FLUID PROP	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.6	14.5	14.6

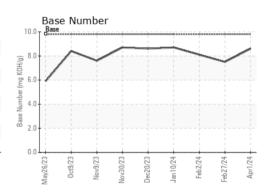
GRAPHS



Non-ferrous Metals











Certificate L2367

Laboratory Sample No.

: GFL0109240

Lab Number : 06137270 Unique Number: 10956735 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Apr 2024 **Tested**

: 04 Apr 2024 : 04 Apr 2024 - Wes Davis Diagnosed

GFL Environmental - 891 - Oklahoma City Hauling

1001 South Rockwell Oklahoma City, OK

US 73128 Contact: Andy Smith

T: (405)306-1651

andrew.smith@gflenv.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)

Report Id: GFL891 [WUSCAR] 06137270 (Generated: 04/04/2024 10:33:50) Rev: 1

Submitted By: Andy Smith