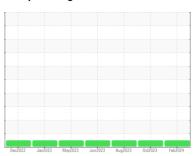


OIL ANALYSIS REPORT

Sample Rating Trend









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

DIAGNOSIS Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

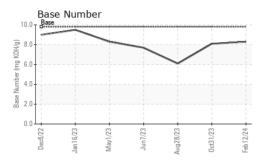
Fluid Condition

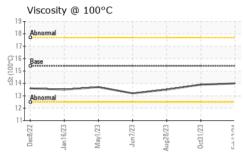
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Dec2022	Janzoza Mayzoza	Jun2023 Aug2023 Oct2023	Feb2024	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0101070	GFL0092772	GFL0080829
Sample Date		Client Info		12 Feb 2024	31 Oct 2023	28 Aug 2023
Machine Age	hrs	Client Info		3953	3953	3885
Oil Age	hrs	Client Info		3099	3168	3885
Oil Changed		Client Info		N/A	N/A	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	>120	7	13	27
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	<1	<1	1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	<1	0
Aluminum	ppm	ASTM D5185m		1	1	4
Lead	ppm	ASTM D5185m	>40	1	<1	0
Copper	ppm	ASTM D5185m		6	2	4
Tin		ASTM D5185m		<1	<1	1
Vanadium	ppm	ASTM D5185m	>10	<1	0	0
	ppm			<1	<1	0
Cadmium	ppm	ASTM D5185m	11 11 11			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm		0	3	2	3
Barium	ppm	ASTM D5185m		0	4	0
Molybdenum	ppm	ASTM D5185m	60	60	59	71
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	915	841	1055
Calcium	ppm	ASTM D5185m	1070	1043	993	1157
Phosphorus	ppm	ASTM D5185m	1150	1012	861	1016
Zinc	ppm	ASTM D5185m	1270	1146	1122	1316
Sulfur	ppm	ASTM D5185m	2060	3505	2829	2865
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	5
Sodium	ppm	ASTM D5185m		0	0	6
Potassium	ppm	ASTM D5185m	>20	2	3	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.5	1
Nitration	Abs/cm	*ASTM D7624	>20	6.2	6.5	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	19.0	20.8
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	14.3	16.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.3	8.1	6.1
()	0 - 9					



OIL ANALYSIS REPORT

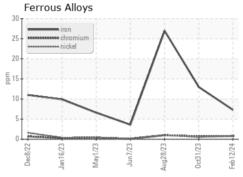


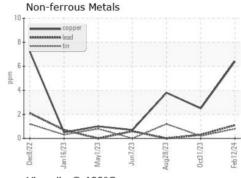


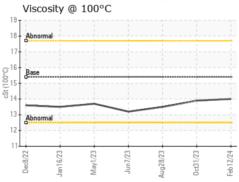
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

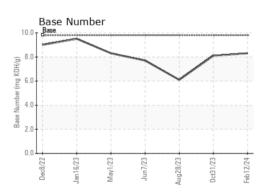
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	13.9	13.5

GRAPHS













Laboratory Sample No.

Lab Number : 06090812 Unique Number : 10883665 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0101070 Received : 15 Feb 2024 **Tested** : 19 Feb 2024

> Diagnosed : 19 Feb 2024 - Wes Davis

GFL Environmental - 455 - Flint

2051 W. Bristol Rd Flint Township, MI US 48507

Contact: MARK WOMBLE mwomble@gflenv.com

T: (586)825-9514

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: GFL455 [WUSCAR] 06090812 (Generated: 02/19/2024 22:42:38) Rev: 1