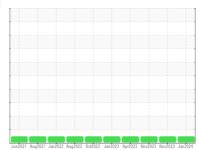


OIL ANALYSIS REPORT

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

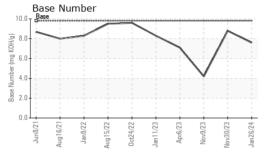
Fluid Condition

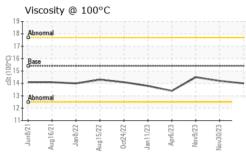
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

CAMPLE	, ,			022 Jan2023 Apr2023 Nov2023 Nov2		
SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0108852	GFL0101479	GFL0101581
Sample Date		Client Info		26 Jan 2024	30 Nov 2023	09 Nov 2023
Machine Age	hrs	Client Info		15395	14914	14757
Oil Age	hrs	Client Info		14757	14757	13037
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	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 METALS	3	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	20	13	80
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>2	0	<1	1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	2	2
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	<1	<1	4
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	0	0	2	<1
Molybdenum	ppm	ASTM D5185m	60	52	55	63
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	963	859	925
Calcium	ppm	ASTM D5185m	1070	1030	1033	1075
Phosphorus	ppm	ASTM D5185m	1150	1000	934	1031
Zinc	ppm	ASTM D5185m	1270	1181	1147	1260
Sulfur	ppm	ASTM D5185m	2060	2814	4291	2590
CONTAMINAN [*]	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	2	7
Sodium	ppm	ASTM D5185m		6	3	6
Potassium	ppm	ASTM D5185m	>20	1	2	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.6	0.3	1.6
Nitration	Abs/cm	*ASTM D7624	>20	9.8	6.8	14.9
		*ASTM D7415	>30	20.3	19.0	28.8
Sulfation	Abs/.1mm	ASTIVI D/415	700	20.5	10.0	
Sulfation FLUID DEGRAD			limit/base	current	history1	history2
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT

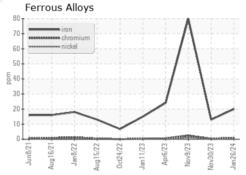


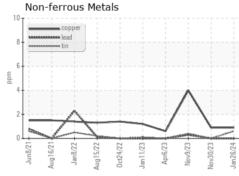


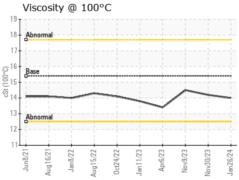
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

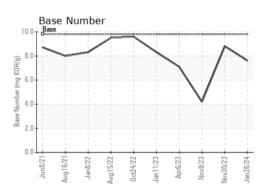
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	14.2	14.5	

GRAPHS













Certificate L2367

Test Package : FLEET

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0108852 : 06075447 : 10857538

Recieved : 31 Jan 2024 : 01 Feb 2024 Diagnosed Diagnostician : Wes Davis

GFL Environmental - 415 - Michigan East

6200 Elmridge Sterling Heights, MI US 48313 Contact: Frank Wolak fwolak@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)