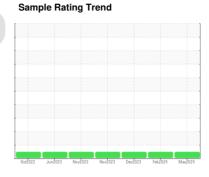


OIL ANALYSIS REPORT



PETRO CANADA DURON SHP 15W40 (6 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

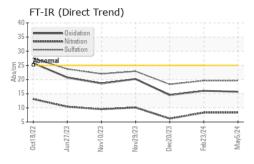
Fluid Condition

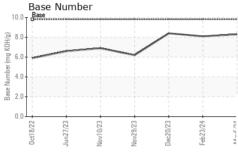
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

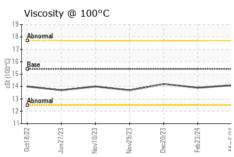
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		GFL0115091	GFL0108900	GFL0105762	
Sample Date		Client Info		05 May 2024	23 Feb 2024	20 Dec 2023	
	hrs	Client Info		7585	7027	62692	
Oil Age	hrs	Client Info		7585	0	0	
Oil Changed		Client Info		Changed	Changed	Not Changd	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINATION	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	7 U.L	NEG	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2	
	ppm	ASTM D5185m	>90	11	14	3	
	ppm	ASTM D5185m	>20	0	<1	<1	
	ppm	ASTM D5185m	>2	<1	<1	<1	
	ppm	ASTM D5185m	>2	0	<1	0	
	ppm	ASTM D5185m	>2	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	3	4	1	
	ppm	ASTM D5185m	>40	<1	0	0	
Copper	ppm	ASTM D5185m	>330	<1	2	<1	
Tin	ppm	ASTM D5185m	>15	<1	<1	0	
Vanadium	ppm	ASTM D5185m		0	<1	0	
Cadmium	ppm	ASTM D5185m		0	<1	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	2	2	2	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	61	62	58	
Manganese	ppm	ASTM D5185m	0	<1	<1	<1	
Magnesium	ppm	ASTM D5185m	1010	945	953	949	
Calcium	ppm	ASTM D5185m	1070	1084	1034	1070	
Phosphorus	ppm	ASTM D5185m	1150	1059	1038	1127	
Zinc	ppm	ASTM D5185m	1270	1277	1274	1294	
Sulfur	ppm	ASTM D5185m	2060	3400	2990	3166	
CONTAMINANT	S	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	4	4	4	
Sodium	ppm	ASTM D5185m		6	5	6	
Potassium	ppm	ASTM D5185m	>20	3	2	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>6	0.4	0.4	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	8.3	8.3	6.2	
	Abs/.1mm	*ASTM D7415	>30	19.6	19.6	18.3	
FLUID DEGRADATION method limit/base current history1 history2							
	Abs/.1mm	*ASTM D7414	>25	15.7	16.0	14.5	
Oxidation	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.8	15.7 8.3	16.0 8.1	14.5 8.4	



OIL ANALYSIS REPORT



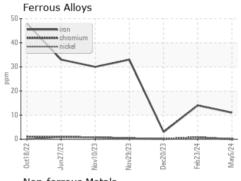


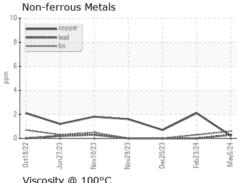


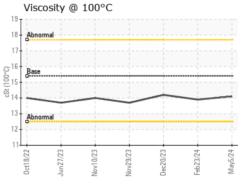
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

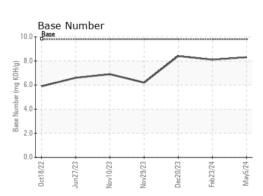
FLUID PROPE	RHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	13.9	14.2

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0115091 Lab Number : 06193396 Unique Number : 11050148

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 May 2024 **Tested** Diagnosed

: 30 May 2024 : 30 May 2024 - Wes Davis

GFL Environmental - 405 - Arbor Hills

7811 Chubb Rd NORTHVILLE, MI US 48168

Contact: Anthony Hopkins ahopkins@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)

T:

F: