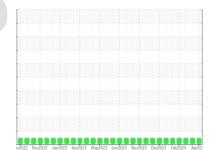


OIL ANALYSIS REPORT





Sample Rating Trend



PETRO CANADA DURON SHP 15W40 (--- LTR) DIAGNOSIS

Recommendat	ion

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

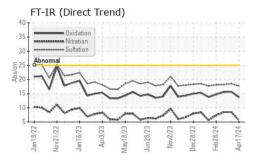
Fluid Condition

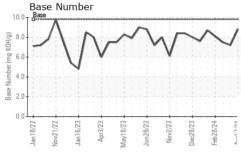
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

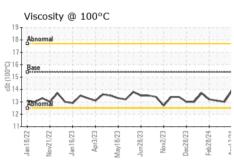
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0118446	GFL0083567	GFL0115605
Sample Date		Client Info		17 Apr 2024	01 Apr 2024	27 Mar 2024
Machine Age	hrs	Client Info		24221	214910	4008
Oil Age	hrs	Client Info		2699	191406	4008
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>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	2	6	5
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	3
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm		>330	<1	1	0
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium		ASTM D5185m	710	<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm		15			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	<1	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	60	54	62	57
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	1010	884	973	926
Calcium	ppm	ASTM D5185m	1070	1002	1091	1044
Phosphorus	ppm	ASTM D5185m	1150	918	1063	1028
Zinc	ppm	ASTM D5185m	1270	1098	1293	1255
Sulfur	ppm	ASTM D5185m	2060	3294	3677	3466
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	_	4	5
	PPIII		720	3		
Sodium	ppm	ASTM D5185m	720	3 3	8	7
Sodium Potassium						
	ppm	ASTM D5185m		3	8	7
Potassium	ppm	ASTM D5185m ASTM D5185m	>20	3 0	8 <1	7 2
Potassium INFRA-RED	ppm	ASTM D5185m ASTM D5185m method	>20 limit/base	3 0 current	8 <1 history1	7 2 history2
Potassium INFRA-RED Soot %	ppm ppm	ASTM D5185m ASTM D5185m method *ASTM D7844	>20 limit/base >4	3 0 current	8 <1 history1 0.2	7 2 history2 0.2
Potassium INFRA-RED Soot % Nitration	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624	>20 limit/base >4 >20	3 0 current 0.1 5.6	8 <1 history1 0.2 8.5	7 2 history2 0.2 8.5
Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>20 limit/base >4 >20 >30	3 0 current 0.1 5.6 17.7	8 <1 history1 0.2 8.5 18.5	7 2 history2 0.2 8.5 18.2



OIL ANALYSIS REPORT



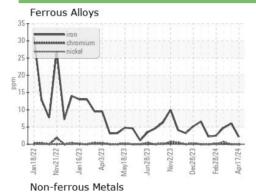


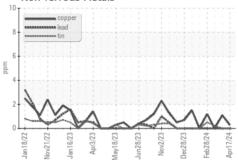


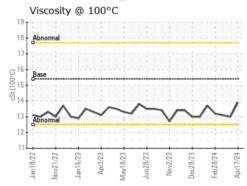
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

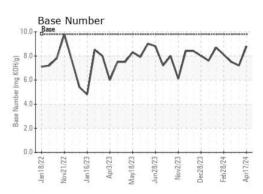
FLUID PROPE	KIIES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	13.0	13.1

GRAPHS













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06155562 Unique Number : 10990985

: GFL0118446 Test Package : FLEET

Received : 22 Apr 2024 **Tested** Diagnosed

: 23 Apr 2024 : 23 Apr 2024 - Wes Davis

GFL Environmental - 955 - Montgomery 1121 Wilbanks St Montgomery, AL

US 36108

Contact: LISA REEVES

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: