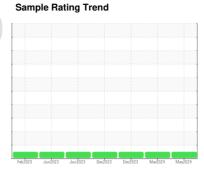


OIL ANALYSIS REPORT



PETRO CANADA DURON SHP 15W40 (28 QTS)





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

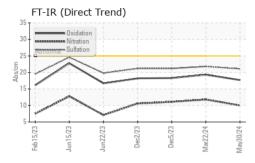
Fluid Condition

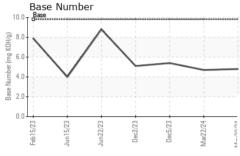
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

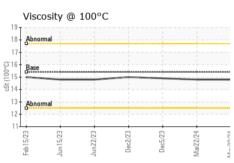
SAMPLE INFORI Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs	Client Info	limit/base	current	history1	history2
Sample Date Machine Age Oil Age Oil Changed	hrs			GFL0121875	GFL0106802	GFL0092013
Machine Age Oil Age Oil Changed	hrs	Client Info		30 May 2024	22 Mar 2024	05 Dec 2023
Oil Age Oil Changed	1113	Client Info		21020	20562	19993
Oil Changed	hrs	Client Info		600	124600	600
	1110	Client Info		Changed	Changed	Changed
		Client iiilo		NORMAL	NORMAL	NORMAL
CONTAMINAT		m oth o d	limit/base			
	ION	method		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	>80	6	21	18
Chromium	ppm	ASTM D5185m	>5	0	1	<1
Nickel	ppm	ASTM D5185m	>2	0	1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>30	3	2	2
Lead	ppm	ASTM D5185m	>30	<1	2	0
Copper	ppm	ASTM D5185m	>150	<1	4	5
Tin	ppm	ASTM D5185m	>5	<1	2	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	12	7	9
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	60	47	54	56
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	1010	513	565	603
Calcium	ppm	ASTM D5185m	1070	1433	1738	1601
Phosphorus	ppm	ASTM D5185m	1150	668	702	728
Zinc	ppm	ASTM D5185m	1270	856	979	1035
Sulfur	ppm	ASTM D5185m	2060	2500	2749	2333
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	4	5	5
Sodium	ppm	ASTM D5185m		6	9	10
	ppm	ASTM D5185m	>20	11	2	2
Potassium		method	limit/base	current	history1	history2
Potassium	%	*ASTM D7844	>3	0	0	0
Potassium INFRA-RED	% Abs/cm	*ASTM D7844 *ASTM D7624	>3 >20	0 10.0	0 11.8	0 11.1
Potassium INFRA-RED Soot % Nitration			>20			
Potassium INFRA-RED Soot % Nitration	Abs/.1mm	*ASTM D7624 *ASTM D7415	>20	10.0	11.8	11.1
Potassium INFRA-RED Soot % Nitration Sulfation	Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30	10.0 21.1	11.8 21.8	11.1 21.2



OIL ANALYSIS REPORT



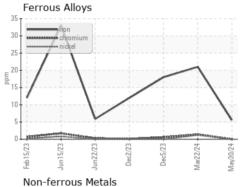


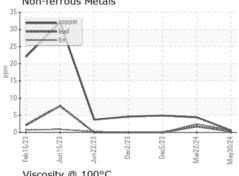


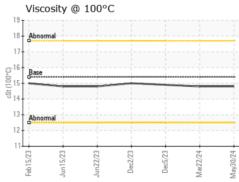
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

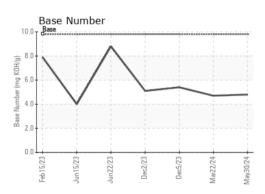
FLUID PROPI	ERHES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.8	14.8	14.9

GRAPHS













Certificate 12367

Laboratory Sample No.

: GFL0121875 Lab Number : 06201181 Unique Number : 11063304

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024

Tested : 07 Jun 2024 Diagnosed : 09 Jun 2024 - Don Baldridge

GFL Environmental - 856 - Houston South 8515 Highway 6 South Houston, TX

> US 77083 Contact: Apolinar Zacarias pzacariascano@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: GFL856 [WUSCAR] 06201181 (Generated: 06/09/2024 10:02:08) Rev: 1

Submitted By: Apolinar Zacarias

T:

F: