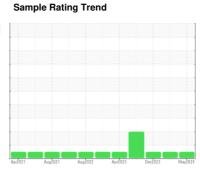


OIL ANALYSIS REPORT



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

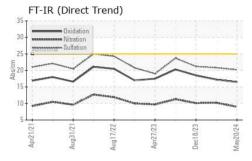
Fluid Condition

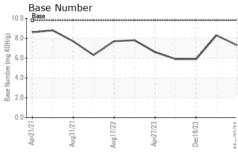
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

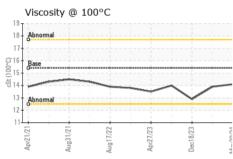
N 3HP 15W40 (o GAL)	Aprzuz I	Augzuzi Augzuzz	Aprzuza Deczuza	Wdy2U24	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0115129	GFL0115183	GFL010573
Sample Date		Client Info		20 May 2024	22 Mar 2024	18 Dec 2023
Machine Age	hrs	Client Info		11281	10697	9705
Oil Age	hrs	Client Info		584	600	9523
Oil Changed		Client Info		Changed	Changed	Changed
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	>90	20	14	35
Chromium	ppm	ASTM D5185m	>20	1	<1	1
Nickel	ppm	ASTM D5185m	>2	<1	0	2
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	11	5	12
Lead	ppm	ASTM D5185m	>40	1	0	1
Copper	ppm	ASTM D5185m	>330	3	2	58
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	2	23
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	59	67
Manganese	ppm	ASTM D5185m	0	<1	<1	1
Magnesium	ppm	ASTM D5185m	1010	956	911	812
Calcium	ppm	ASTM D5185m	1070	1088	1013	1078
Phosphorus	ppm	ASTM D5185m	1150	912	1044	851
Zinc	ppm	ASTM D5185m	1270	1280	1229	1027
Sulfur	ppm	ASTM D5185m	2060	3068	3108	2479
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon						
	ppm	ASTM D5185m	>25	6	4	21
Sodium	ppm	ASTM D5185m ASTM D5185m	>25	6 29	4 6	21 8
Sodium Potassium			>25 >20			
	ppm	ASTM D5185m		29	6	8 24
Potassium	ppm	ASTM D5185m ASTM D5185m	>20	29 15	6	8 24
Potassium INFRA-RED	ppm	ASTM D5185m ASTM D5185m method	>20 limit/base	29 15 current	6 6 history1	8 24 history2
Potassium INFRA-RED Soot %	ppm ppm	ASTM D5185m ASTM D5185m method *ASTM D7844	>20 limit/base >6	29 15 current 0.5	6 6 history1 0.7	8 24 history2 0.7
Potassium INFRA-RED Soot % Nitration	ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415	>20 limit/base >6 >20	29 15 current 0.5 9.0	6 6 history1 0.7 10.2	8 24 history2 0.7 10.1 21.2
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 >6 >20 >30	29 15 current 0.5 9.0 20.2	6 6 history1 0.7 10.2 20.8	8 24 history2 0.7 10.1



OIL ANALYSIS REPORT



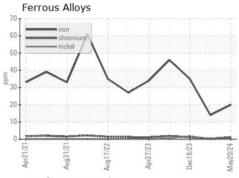




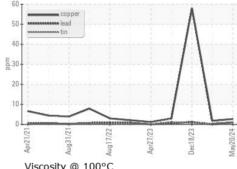
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

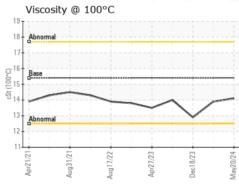
FLUID PROPE	ERITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	13.9	12.9

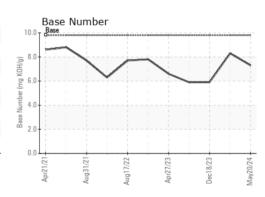
GRAPHS















Laboratory Sample No.

Lab Number : 06190258 Unique Number : 11047010

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0115129

Received : 24 May 2024 **Tested** : 25 May 2024 Diagnosed : 25 May 2024 - Wes Davis

GFL Environmental - 405 - Arbor Hills 7811 Chubb Rd NORTHVILLE, MI US 48168

Contact: Anthony Hopkins

ahopkins@gflenv.com

Test Package : FLEET Certificate 12367 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: