

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id **926056** Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- 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

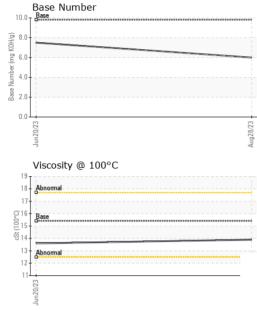
Fluid Condition

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

N SHP 15W40 (- GAL)		Jun 2023	Aug2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0085334	GFL0085358	
Sample Date		Client Info		28 Aug 2023	20 Jun 2023	
Machine Age	hrs	Client Info		8400	8400	
Oil Age	hrs	Client Info		8400	678	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	13	9	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Vickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>20	0	1	
Lead	ppm	ASTM D5185m	>40	0	<1	
Copper	ppm	ASTM D5185m		2	1	
Борреі Гіп	ppm	ASTM D5185m	>15	0	<1	
√anadium	ppm	ASTM D5185m	>10	0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	1-1-	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	1	
Barium	ppm		0	0	0	
Molybdenum	ppm	ASTM D5185m	60	59	57	
Manganese	ppm	ASTM D5185m		<1	<1	
Vianganese Viagnesium	ppm	ASTM D5185m	1010	973	905	
Calcium	ppm	ASTM D5185m	1070	1068	1027	
Phosphorus	ppm	ASTM D5185m	1150	987	937	
Zinc	ppm	ASTM D5185m	1270	1275	1181	
Sulfur	ppm	ASTM D5185m	2060	3309	2901	
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	
Sodium	ppm	ASTM D5185m		6	5	
Potassium	ppm	ASTM D5185m	>20	0	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4	0.6	
Nitration	Abs/cm	*ASTM D7624		9.4	8.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	22.9	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.3	20.2	
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896		21.3 6.0	20.2 7.5	



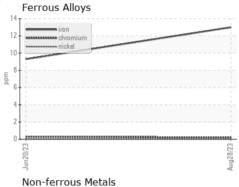
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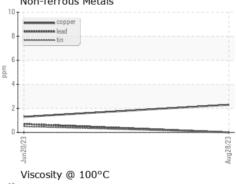


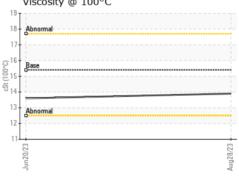
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	

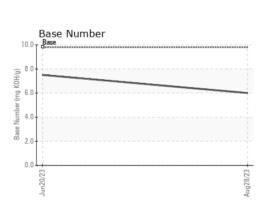
L LLOID PROPI		method			riistory i	History2
Visc @ 100°C	cSt	ASTM D445	15.4	13.9	13.6	

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10630713

: GFL0085334 : 05940101 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 Aug 2023 Diagnosed : 01 Sep 2023 Diagnostician : Wes Davis

GFL Environmental - 958A - Chillicothe Wigand

19908 N. State Rd 29 Chillicothe, IL US 61523 Contact: Bryan Link

blink@gflenv.com T:

* - 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)

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