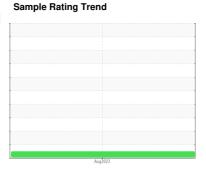


OIL ANALYSIS REPORT



Machine Id **813010** 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

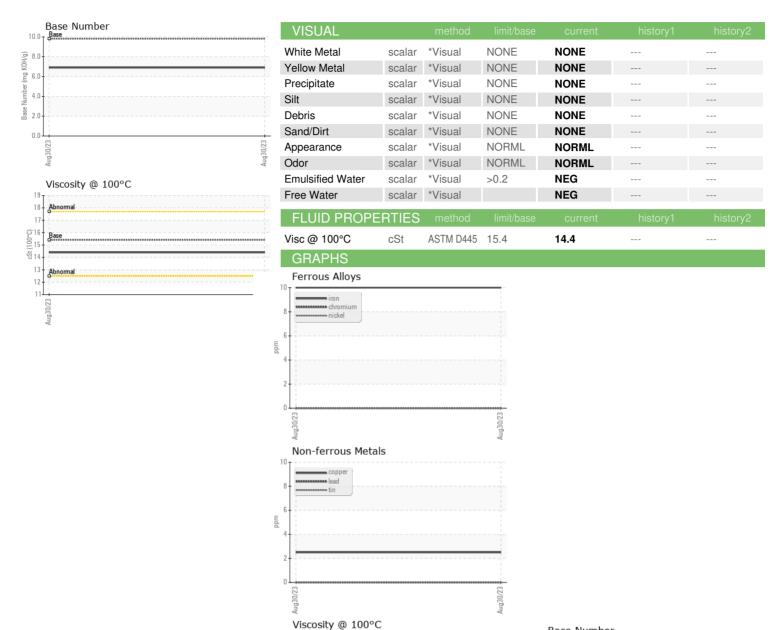
Fluid Condition

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

N 30P 13W40 (-	GAL)			Aug2023		
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0085327		
Sample Date		Client Info		30 Aug 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	10		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	<1		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	56		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	933		
Calcium	ppm	ASTM D5185m	1070	1032		
Phosphorus	ppm	ASTM D5185m	1150	978		
Zinc	ppm	ASTM D5185m	1270	1201		
Sulfur	ppm	ASTM D5185m	2060	3486		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	8.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.9		
	0					



OIL ANALYSIS REPORT







Certificate L2367

Report Id: GFL958 [WUSCAR] 05940082 (Generated: 09/01/2023 04:38:01) Rev: 1

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: GFL0085327 : 05940082 : 10630694

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> 13 12

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

: 31 Aug 2023 : 01 Sep 2023 : Wes Davis Diagnostician

GFL Environmental - 958 - Tri County HC Morton

1090 W. Jefferson St. Morton, IL US 61550

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)

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

Base Number

(mg K0H/g)

Base

0.0

F: