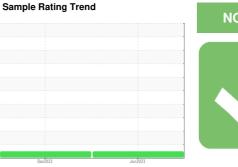


OIL ANALYSIS REPORT









156M 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

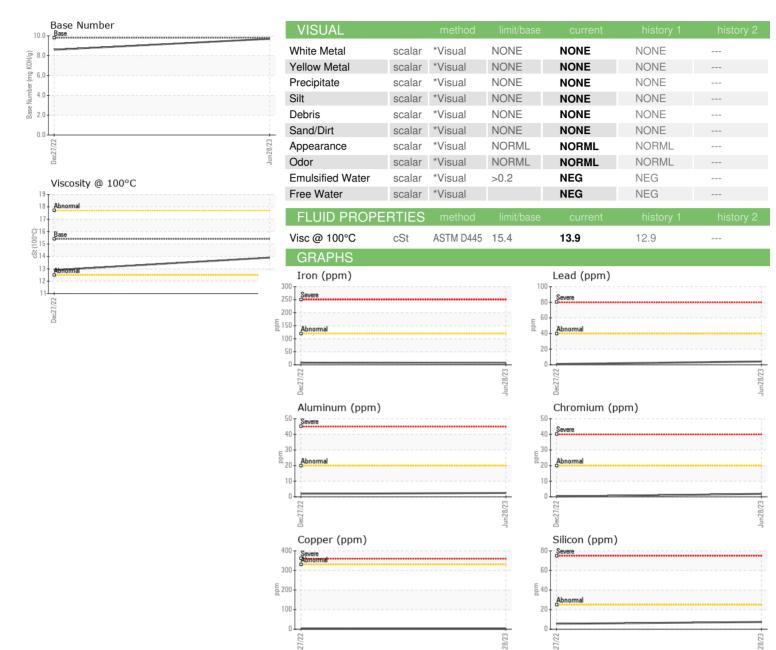
Fluid Condition

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)		Dec2022	Jun2023		
SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0015805	GFL0067624	
Sample Date		Client Info		28 Jun 2023	27 Dec 2022	
Machine Age	hrs	Client Info		19217	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>3.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history 1	history 2
ron	ppm	ASTM D5185m	>120	6	8	
Chromium	ppm	ASTM D5185m	>20	2	<1	
Nickel	ppm	ASTM D5185m	>5	1	0	
Titanium	ppm	ASTM D5185m	>2	2	0	
Silver	ppm	ASTM D5185m	>2	2	0	
Aluminum	ppm	ASTM D5185m	>20	2	2	
_ead	ppm	ASTM D5185m	>40	4	1	
Copper	ppm	ASTM D5185m	>330	2	3	
Tin	ppm	ASTM D5185m	>15	2	<1	
Vanadium	ppm	ASTM D5185m		1	0	
Cadmium	ppm	ASTM D5185m		2	0	
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	6	90	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	60	54	61	
Manganese	ppm	ASTM D5185m	0	2	<1	
Magnesium	ppm	ASTM D5185m	1010	932	899	
Calcium	ppm	ASTM D5185m	1070	1072	1137	
Phosphorus	ppm	ASTM D5185m	1150	961	1009	
Zinc	ppm	ASTM D5185m	1270	1191	1218	
Sulfur	ppm	ASTM D5185m	2060	3582	3353	
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	7	6	
Sodium	ppm	ASTM D5185m		4	2	
Potassium	ppm	ASTM D5185m	>20	6	2	
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>4	0.1	0.2	
Vitration	Abs/cm	*ASTM D7624	>20	4.7	7.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.6	18.6	
FLUID DEGRA			11 11 11			la la tarre o
TEOID DEGITAL	NOITAC	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	current 13.2	15.1	nistory 2
		*ASTM D7414				•



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: GFL0015805 : 05888885 : 10539368 Test Package : MOB 2

SS.

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jul 2023 Diagnosed : 05 Jul 2023

: Don Baldridge Diagnostician

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.

Viscosity @ 100°C

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

GFL Environmental - 463 - Cheboygan

501 N. Western Ave Cheboygan, MI US 49721 Contact: Chris Gee cgee@gflenv.com T: (231)597-8553 F:

Base Number

10.0 (mg KOH/g)

3ase 1

0.0