

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id 783M Component Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- 0

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a components first oil change.

#### Contamination

There is no indication of any contamination in the oil.

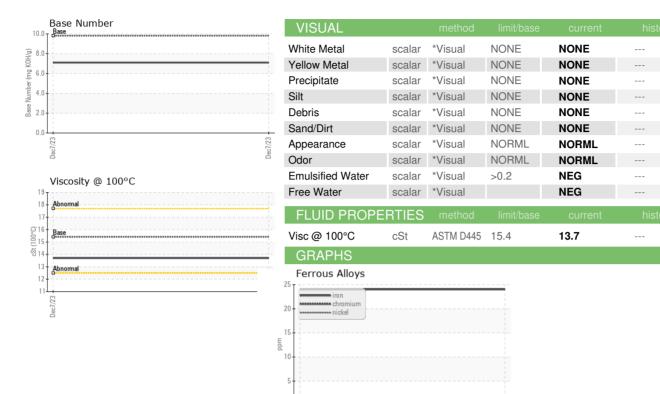
#### **Fluid Condition**

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

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AL)				Dec2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0105645		
Sample Date		Client Info		07 Dec 2023		
Machine Age	hrs	Client Info		17229		
Dil Age	hrs	Client Info		17229		
Dil Changed	1110	Client Info		Changed		
Sample Status		Oliotic itilio		NORMAL		
CONTAMINAT	ION	mothod	limit/base	current	history1	hiotory2
	ION	method WC Mathad				history2
-uel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Slycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>90	24		
Chromium	ppm	ASTM D5185m	>20	<1		
lickel	ppm	ASTM D5185m	>2	0		
itanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
luminum	ppm	ASTM D5185m	>20	7		
ead	ppm	ASTM D5185m	>40	0		
opper	ppm	ASTM D5185m	>330	1		
ïn	ppm	ASTM D5185m	>15	0		
anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1		
Barium	ppm	ASTM D5185m	0	0		
Nolybdenum	ppm	ASTM D5185m	60	58		
Manganese	ppm	ASTM D5185m	0	<1		
/lagnesium	ppm	ASTM D5185m	1010	948		
alcium	ppm	ASTM D5185m	1070	1055		
hosphorus	ppm	ASTM D5185m	1150	914		
inc	ppm	ASTM D5185m	1270	1251		
ulfur	ppm	ASTM D5185m	2060	3147		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
odium	ppm	ASTM D5185m		6		
otassium	ppm	ASTM D5185m	>20	6		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.6		
litration	Abs/cm	*ASTM D7624	>20	9.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9		
FLUID DEGRAI	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.1		
Jaco Hamber (DIN)	mg North	7.0 TW D2000	0.0	7.1		

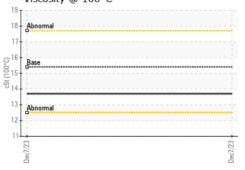


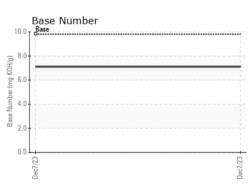
## **OIL ANALYSIS REPORT**



Non-ferrous Metals











Certificate L2367

Laboratory Sample No.

Lab Number Unique Number

: GFL0105645 : 06030278 : 10780069 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Dec 2023 : 12 Dec 2023 Diagnosed : Wes Davis Diagnostician

GFL Environmental - 415 - Michigan East

6200 Elmridge Sterling Heights, MI US 48313 Contact: Frank Wolak fwolak@gflenv.com T: (586)825-9514

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)