

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





Diesel Engine

PETRO CANADA DURON HP 15W40 (--- LTR)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

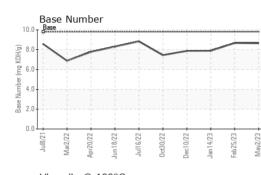
### Fluid Condition

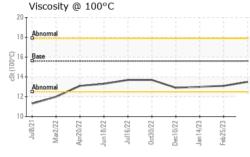
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

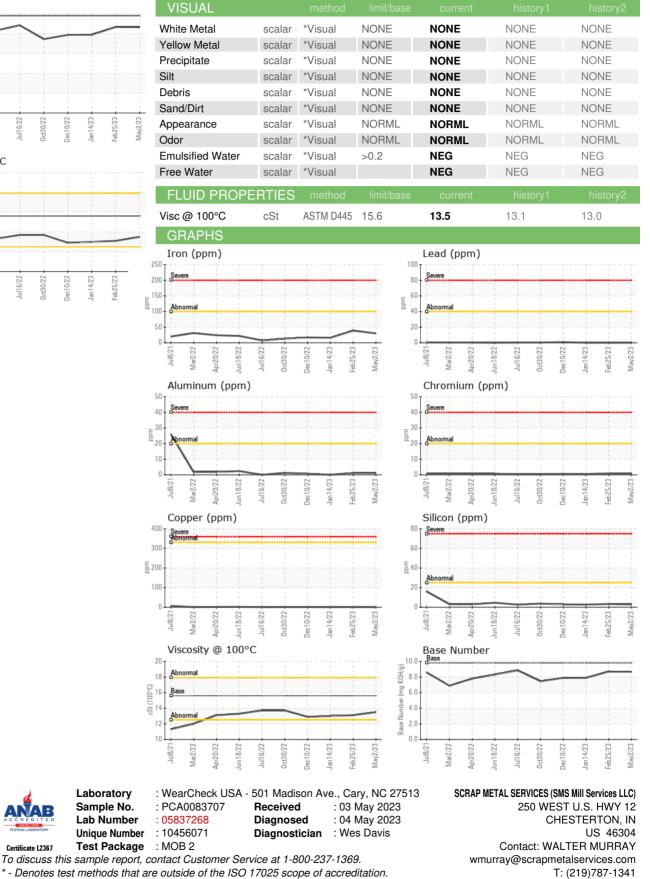
R)		Jul2021 Mar2	022 Apr2022 Jun2022 Jul2	022 Oct2022 Dec2022 Jan2023 Feb2	023 Məy2023		
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0083707	PCA0083711	PCA0083691	
Sample Date		Client Info		02 May 2023	25 Feb 2023	14 Jan 2023	
lachine Age	hrs	Client Info		12988	12112	11242	
Dil Age	hrs	Client Info		500	500	500	
Dil Changed		Client Info		Changed	Changed	Changed	
Sample Status				NORMAL	NORMAL	NORMAL	
CONTAMINAT	FION	method	limit/base	current	history1	history2	
uel		WC Method	>5	<1.0	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>100	30	39	16	
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	<1	
Titanium	ppm	ASTM D5185m		0	0	<1	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>20	1	1	0	
ead	ppm	ASTM D5185m	>40	0	0	0	
Copper	ppm	ASTM D5185m	>330	<1	<1	<1	
īn	ppm	ASTM D5185m	>15	0	0	<1	
/anadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		4	5	6	
Barium	ppm	ASTM D5185m		0	<1	12	
Nolybdenum	ppm	ASTM D5185m		59	64	58	
langanese	ppm	ASTM D5185m		<1	<1	<1	
<i>l</i> lagnesium	ppm	ASTM D5185m		999	1029	858	
Calcium	ppm	ASTM D5185m		1103	1125	1027	
Phosphorus	ppm	ASTM D5185m		1048	1026	910	
Zinc	ppm	ASTM D5185m		1342	1353	1140	
Sulfur	ppm	ASTM D5185m		3644	3319	2840	
CONTAMINAN	NTS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	3	3	3	
Sodium	ppm	ASTM D5185m		3	3	4	
Potassium	ppm	ASTM D5185m	>20	2	<1	0	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.6	0.7	0.3	
litration	Abs/cm	*ASTM D7624	>20	9.4	10.8	9.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	23.0	20.7	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2	
Dxidation	Abs/.1mm	*ASTM D7414	>25	18.8	22.6	19.7	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.65	8.68	7.89	



# **OIL ANALYSIS REPORT**







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

Certificate L2367

Laboratory

Sample No.

Lab Number

F: