

OIL ANALYSIS REPORT





Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

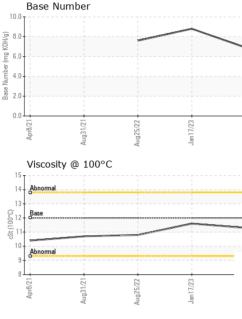
Fluid Condition

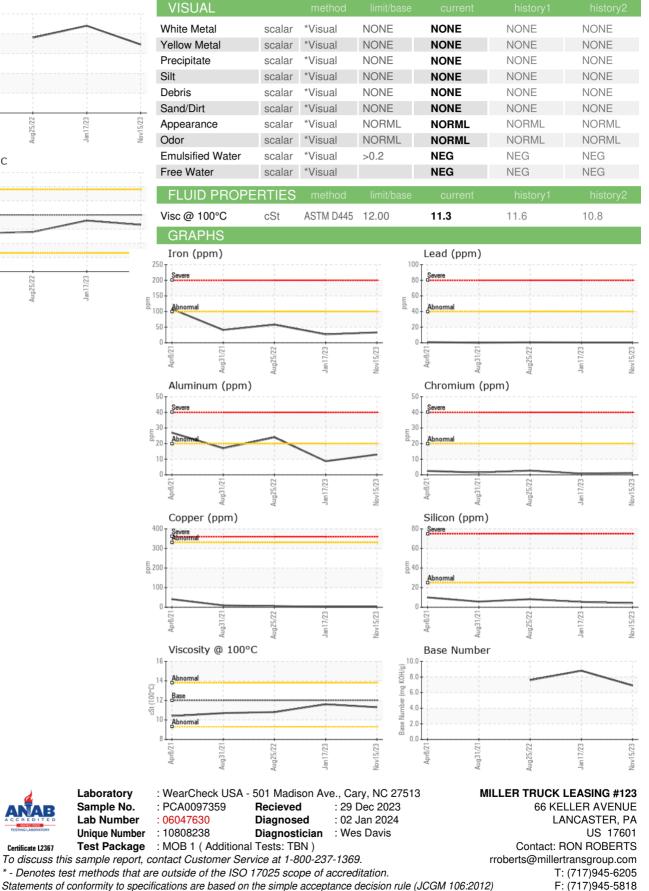
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

TS)						
SAMPLE INFOR	MATION	method	limit/base	Aug2022 Jan2023 CUrrent	history1	history2
Sample Number		Client Info		PCA0097359	PCA0083865	PCA0071677
Sample Date		Client Info		15 Nov 2023	17 Jan 2023	25 Aug 2022
Machine Age	mls	Client Info		105408	87530	80591
Dil Age	mls	Client Info		17878	6939	43838
Dil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
⁼ uel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	33	27	58
Chromium	ppm	ASTM D5185m	>20	1	<1	3
Nickel	ppm	ASTM D5185m	>4	<1	<1	2
Fitanium	ppm	ASTM D5185m		23	63	3
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	13	9	24
ead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	2	2	6
īn	ppm	ASTM D5185m	>15	2	<1	2
Antimony	ppm	ASTM D5185m				
/anadium	ppm	ASTM D5185m		<1	<1	2
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	12	90	6
Barium	ppm	ASTM D5185m	0	12	0	<1
Molybdenum	ppm	ASTM D5185m	50	51	22	59
Manganese	ppm	ASTM D5185m	0	<1	<1	2
Magnesium	ppm	ASTM D5185m	950	927	585	927
Calcium	ppm	ASTM D5185m	1050	1365	1629	1153
Phosphorus	ppm	ASTM D5185m	995	1127	984	940
Linc	ppm		1180	1341	1216	1180
Sulfur	ppm	ASTM D5185m	2600	3711	4015	3231
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	8
Sodium	ppm	ASTM D5185m	00	2	3	5
	ppm	ASTM D5185m	>20	7	9	28
INFRA-RED	0/	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.3	0.8
	Abs/cm	*ASTM D7624		11.2	8.7	12.3 24.8
Nitration Sulfation		*ASTM D7415	>30	22.6	19.9	64.0
Sulfation	Abs/.1mm	*ASTM D7415 method	>30 limit/base	22.6 current	19.9 historv1	
Sulfation FLUID DEGRAI	Abs/.1mm	method	limit/base	current	history1	history2
Sulfation	Abs/.1mm					



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Certificate L2367

Laboratory

Contact/Location: RON ROBERTS - MILLAN