

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 201720

Component Diesel Engine

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

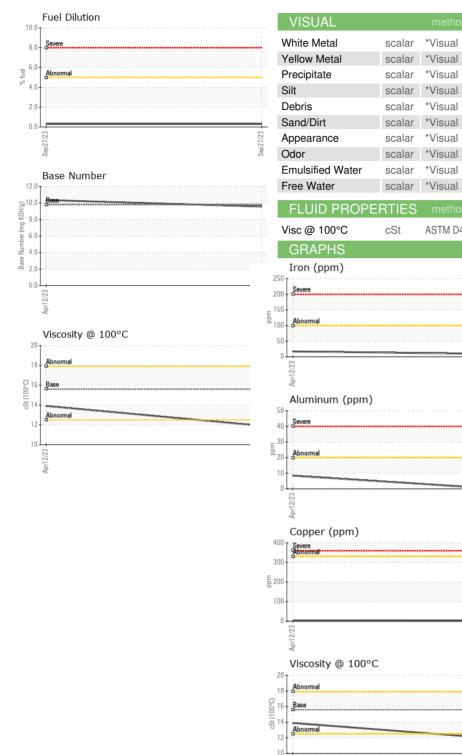
Fluid Condition

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

S)			Apr2023	Sep2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0057309	PCA0057365	
Sample Date		Client Info		27 Sep 2023	12 Apr 2023	
Machine Age	mls	Client Info		40401	26998	
Oil Age	mls	Client Info		15232	17000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	9	17	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	<1	
Aluminum	ppm	ASTM D5185m	>20	0	8	
Lead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	2	3	
Tin	ppm		>15	<1	2	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4	6	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		55	53	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		859 1038	1001 1141	
Phosphorus	ppm	ASTM D5185m		975	1039	
Zinc	ppm ppm	ASTM D5185m		1180	1299	
Sulfur	ppm	ASTM D5185m		3463	3880	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		10	9	
Sodium	ppm	ASTM D5185m		0	2	
Potassium	ppm	ASTM D5185m	>20	7	36	
Fuel	%	ASTM D3524	>5	0.3	<1.0	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	7.4	8.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	20.7	
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	16.7	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.56	10.36	



OIL ANALYSIS REPORT



Apr12/23

: PCA0057309

: 05977783

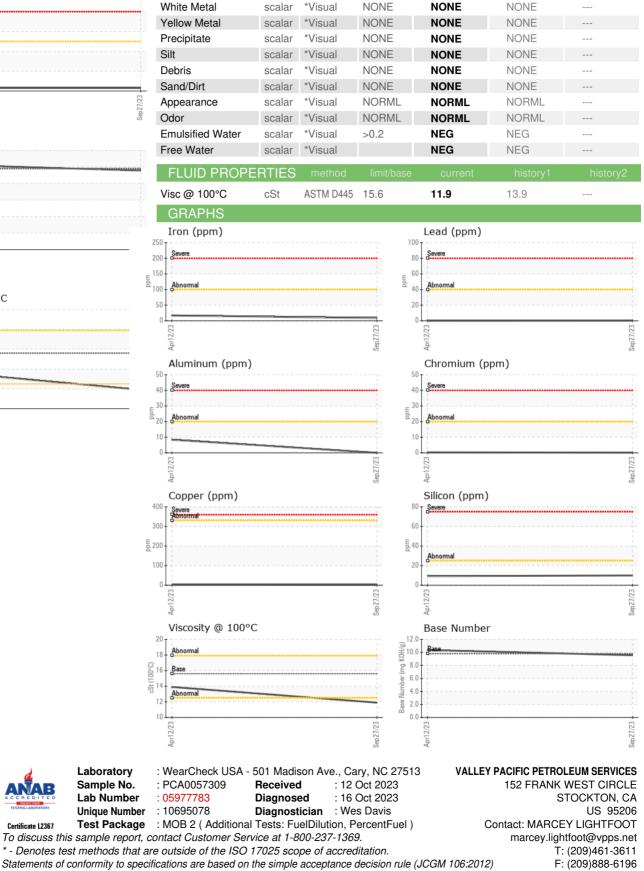
: 10695078

Laboratory

Sample No.

Lab Number

Unique Number



Certificate L2367