

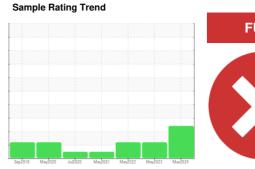
OIL ANALYSIS REPORT

(EQ2072) S

Denise BPS (S/N 662540, 2086454)

Diesel Engine

PETRO CANADA DURON UHP 5W40 (15 GAL)





DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of fuel present in the oil.

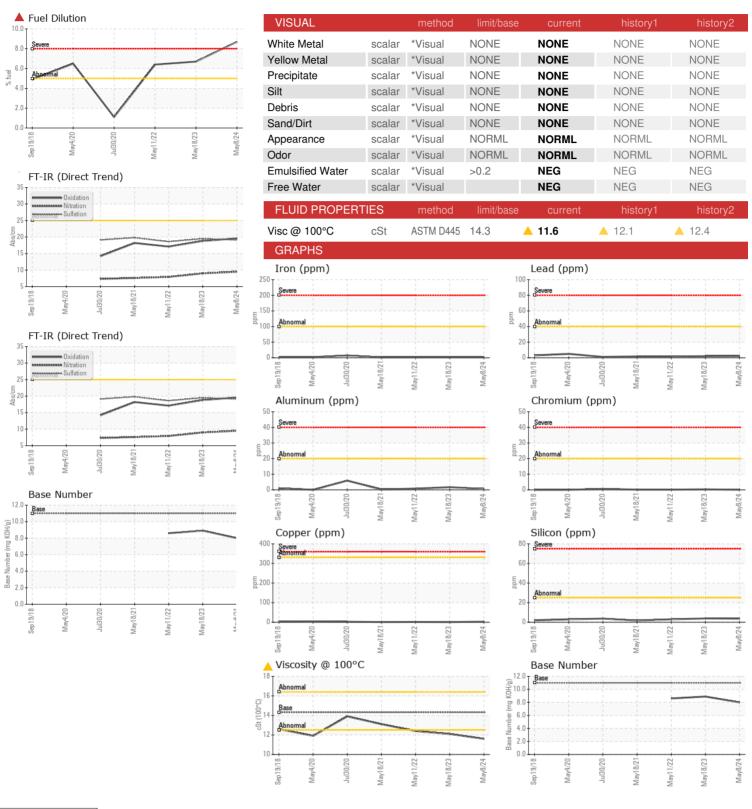
Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

AL)		Sep2018	May2020 Jul2020	May2021 May2022 May2023	May2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0934071	WC0810889	WC0696110
Sample Date		Client Info		08 May 2024	18 May 2023	11 May 2022
Machine Age	hrs	Client Info		490	467	429
Oil Age	hrs	Client Info		61	77	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				SEVERE	ABNORMAL	ABNORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2	2	2
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		9	8	9
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	<1
Lead	ppm	ASTM D5185m	>40	2	2	2
Copper	ppm	ASTM D5185m	>330	3	<1	2
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	65	61	67	71
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	65	48	48	48
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	1160	957	977	992
Calcium	ppm	ASTM D5185m	820	952	943	998
Phosphorus	ppm	ASTM D5185m	1160	997	1041	1045
Zinc	ppm	ASTM D5185m	1260	1235	1300	1186
Sulfur	ppm	ASTM D5185m	3000	3964	4260	3079
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	4	3
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	<1	2	0
Fuel	%	ASTM D3524	>5	8.7	△ 6.7	△ 6.4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	9.5	9.0	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	19.5	18.6
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.6	18.8	17.1
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	8.0	8.9	8.6
LOZION Devi 1	91101119					· CCOTT TDAIL



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0934071 Lab Number : 06176908 Unique Number : 11022961

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 13 May 2024 **Tested** Diagnosed Test Package : MOB 1 (Additional Tests: PercentFuel, TBN)

: 15 May 2024 : 15 May 2024 - Sean Felton

ROCHESTER, NY US 14612 Contact: SCOTT TRAIL scott.trail@mcwa.com T: (585)775-5257

4799 DEWEY AVE

MONROE COUNTY WATER AUTHORITY

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

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