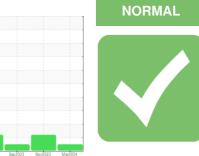


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 422014 Component Diesel Engin Fluid PETRO CAN

Component Diesel Engine Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS	
Recommendation	

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

Wear

All component wear rates are normal.

Contamination

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

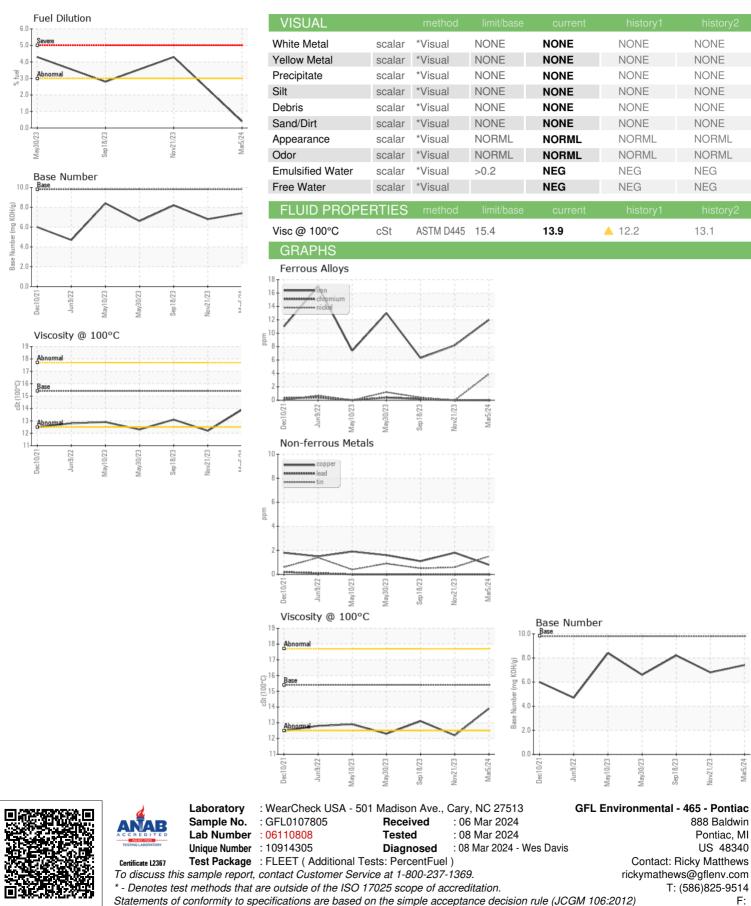
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0107805	GFL0096569	GFL0091549
Sample Date		Client Info		05 Mar 2024	21 Nov 2023	18 Sep 2023
Machine Age	hrs	Client Info		24505	24259	24078
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	12	8	6
Chromium	ppm	ASTM D5185m		0	0	<1
Nickel	ppm	ASTM D5185m	>5	4	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m		<1	2	1
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	2	1
Tin	ppm	ASTM D5185m	>15	2	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	2	4
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	56	53	60
Manganese	ppm	ASTM D5185m	0	0	0	<1
Magnesium	ppm	ASTM D5185m	1010	1030	859	963
Calcium	ppm	ASTM D5185m	1070	1172	1002	1108
Phosphorus	ppm	ASTM D5185m	1150	1006	1003	1089
Zinc	ppm	ASTM D5185m	1270	1291	1120	1304
Sulfur	ppm	ASTM D5185m	2060	2872	2765	3987
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	7	8
Sodium	ppm	ASTM D5185m		2	2	3
Potassium	ppm	ASTM D5185m	>20	0	1	2
Fuel	%	ASTM D3524	>3.0	0.4	4 .3	2.8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.5	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.4	9.2	7.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	19.1	17.6
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	16.1	14.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.4	6.8	8.2



OIL ANALYSIS REPORT



Report Id: GFL465 [WUSCAR] 06110808 (Generated: 03/08/2024 11:02:29) Rev: 1

Submitted By: Ricky Matthews

Mar5/24

Vov21/23

888 Baldwin

Pontiac, MI

US 48340

F:

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.1