

OIL ANALYSIS REPORT

Sample Rating Trend VISCOSITY

	Machine Id 42202 Component Diesel E Fluid PETRO
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422027-402279 Component Diesel Engine Fluid

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

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	e current	history1	history2
Recommendation	Sample Number		Client Info		GFL0122956	GFL0115414	GFL0102948
o corrective action is recommended at this time.	Sample Date		Client Info		06 Jun 2024	13 May 2024	18 Apr 2024
sample at the next service interval to monitor.	Machine Age	hrs	Client Info		24373	24215	24065
ear	Oil Age	hrs	Client Info		0	0	0
component wear rates are normal.	Oil Changed		Client Info		N/A	N/A	N/A
ontamination	Sample Status				ATTENTION	ATTENTION	ATTENTION
el content negligible. There is no indication of y contamination in the oil.	CONTAMINA	TION	method	limit/base	e current	history1	history2
Fluid Condition	Water		WC Method	>0.2	NEG	NEG	NEG
e oil viscosity is lower than normal. The BN result	Glycol		WC Method		NEG	NEG	NEG
icates that there is suitable alkalinity remaining in oil. Confirm oil type.	WEAR META	LS	method	limit/base	e current	history1	history2
	Iron	ppm	ASTM D5185m	>120	8	5	2
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	0	<1	<1
	Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	2	2
	Lead	ppm	ASTM D5185m	>40	<1	<1	<1
	Copper	ppm	ASTM D5185m	>330	4	1	<1
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	Cadmium	ppm	ASTM D5185m		0	<1	<1
	ADDITIVES		method	limit/base	e current	history1	history2
	Boron	ppm	ASTM D5185m	0	6	6	6
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	8	5	7
	Manganese	ppm	ASTM D5185m	0	0	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	74	56	76
	Calcium	ppm	ASTM D5185m	1070	2208	2134	2206
	Phosphorus	ppm	ASTM D5185m	1150	942	845	950
	Zinc	ppm	ASTM D5185m	1270	1049	1020	1038
	Sulfur	ppm	ASTM D5185m	2060	3515	3929	3916
	CONTAMINA	NTS	method	limit/base	e current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	7	6	6
	Sodium	ppm	ASTM D5185m		0	0	<1
	Potassium	ppm	ASTM D5185m		5	3	3
	Fuel	%	ASTM D3524	>3.0	2.8	0.0	0.7
	INFRA-RED		method	limit/base	e current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.2	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	7.3	6.8	5.3
	Sulfation	Abs/.1mm	*ASTM D7415		18.5	16.4	15.5
			method	limit/base	e current	history1	history2
	FLUID DEGRA						
	Oxidation		*ASTM D7414		10.3	9.3	9.2

Base Number (BN) mg KOH/g ASTM D2896 9.8

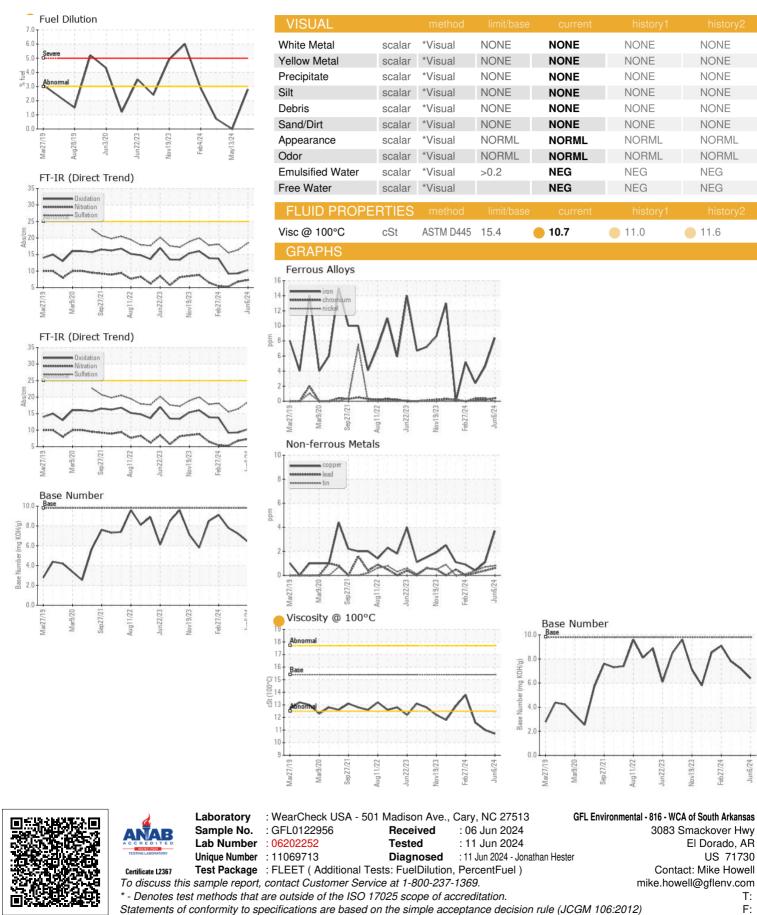
7.2

7.8

6.4



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