

## **OIL ANALYSIS REPORT**

Sample Rating Trend

NORMAL



Machine Id 427082-402335

Component **Diesel Engine** Fluid

PETRO CANADA DURON SHP 15W40 ( ~~!

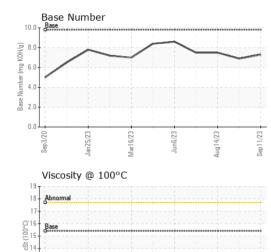
			mothed	limit/boss	outropt	bistond	biotor O
DIAGNOSIS	SAMPLE INFOR			limit/base		history1	history2
commendation	Sample Number		Client Info		GFL0088241	GFL0088249	GFL0067686
sample at the next service interval to monitor.	Sample Date		Client Info		11 Sep 2023	07 Sep 2023	14 Aug 2023
ar	Machine Age	hrs	Client Info		0	0	0
component wear rates are normal.	Oil Age	hrs	Client Info		0	0	0
ntamination	Oil Changed		Client Info		N/A	N/A	N/A
ere is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINAT	ION	method	limit/base	current	history1	history2
<b>Huid Condition</b> The BN result indicates that there is suitable Ikalinity remaining in the oil. The condition of the il is suitable for further service.	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
	Glycol		WC Method		NEG	NEG	NEG
	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	8	9	8
	Chromium	ppm	ASTM D5185m	>20	<1	0	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		2	3	3
	Lead	ppm	ASTM D5185m		1	1	0
	Copper	ppm	ASTM D5185m		2	1	0
	Tin	ppm	ASTM D5185m		- <1	<1	0
	Vanadium	ppm	ASTM D5185m	210	0	<1	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	0	0	1
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m		61	59	73
	Manganese	ppm	ASTM D5185m	0	<1	<1	0
	Magnesium	ppm	ASTM D5185m		915	978	1140
	Calcium	ppm	ASTM D5185m		1071	1084	1262
	Phosphorus	ppm	ASTM D5185m		967	970	1182
	Zinc	ppm	ASTM D5185m		1203	1242	1607
	Sulfur	ppm	ASTM D5185m		2864	3206	4504
	CONTAMINAN	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	5	5	4
	Sodium	ppm	ASTM D5185m		3	4	0
	Potassium	ppm	ASTM D5185m	>20	1	<1	0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0	0.5	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	9.4	8.4	7.9
	Sulfation	Abs/.1mm	*ASTM D7415		23.5	18.8	19.5
						1 C	
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
	FLUID DEGRA		method *ASTM D7414		current 17.9	history1 14.1	15.3

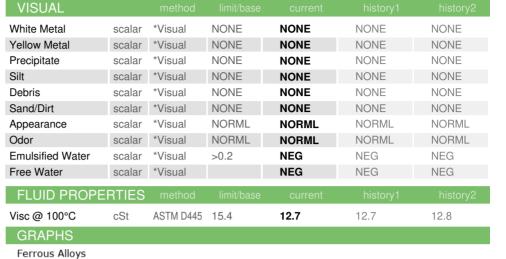


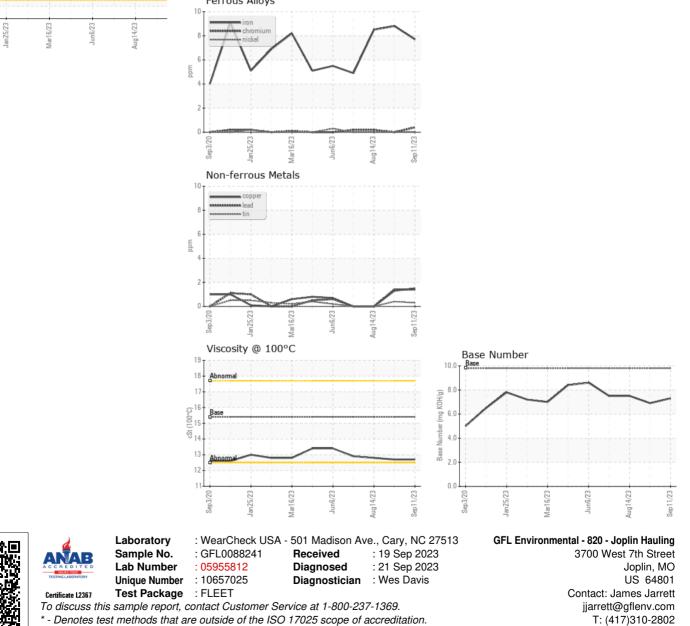
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Contact/Location: James Jarrett - GFL820

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