

OIL ANALYSIS REPORT

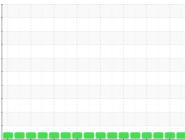
Sample Rating Trend





Machine Id 401150 Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (35 LTR)





		IATION	method	limit/base	current	history1	history2
	ample Number		Client Info		GFL0094413	GFL0086798	GFL0094399
	ample Date		Client Info		13 Mar 2024	04 Jan 2024	13 Oct 2023
	achine Age	hrs	Client Info		12595	12145	8629
	l Age	hrs	Client Info		12595	600	8629
	l Changed		Client Info		Changed	Changed	N/A
	mple Status				NORMAL	NORMAL	NORMAL
	CONTAMINATI	ON	method	limit/base	current	history1	history2
ne in Fu	iel		WC Method	>3.0	<1.0	<1.0	<1.0
	ater		WC Method	>0.2	NEG	NEG	NEG
Gl	ycol		WC Method		NEG	0.0	NEG
N	NEAR METALS	6	method	limit/base	current	history1	history2
Iro	n	ppm	ASTM D5185(m)	>120	6	7	9
Ch	nromium	ppm	ASTM D5185(m)	>20	0	0	0
Nie	ckel	ppm	ASTM D5185(m)	>15	<1	<1	0
Tit	anium	ppm	ASTM D5185(m)	>2	<1	0	0
Sil	ver	ppm	ASTM D5185(m)	>3	0	0	<1
Alu	uminum	ppm	ASTM D5185(m)	>20	2	2	2
Le	ad	ppm	ASTM D5185(m)	>40	<1	<1	2
Co	pper	ppm	ASTM D5185(m)	>330	2	2	2
Tir	י. ו	ppm	ASTM D5185(m)	>15	<1	0	0
An	ntimony	ppm	ASTM D5185(m)		0	0	0
Va	anadium	ppm	ASTM D5185(m)		0	0	0
Be	eryllium	ppm	ASTM D5185(m)		0	0	0
Ca	admium	ppm	ASTM D5185(m)		0	0	0
ŀ	ADDITIVES		method	limit/base	current	history1	history2
Bo	oron	ppm	ASTM D5185(m)	0	10	19	7
Ba	arium	ppm	ASTM D5185(m)	0	0	0	<1
Mo	olybdenum	ppm	ASTM D5185(m)	60	59	53	61
Ma	anganese	ppm	ASTM D5185(m)	0	0	0	0
Ma	agnesium	ppm	ASTM D5185(m)	1010	901	626	945
Ca	alcium	ppm	ASTM D5185(m)	1070	1103	1411	1083
Ph	osphorus	ppm	ASTM D5185(m)	1150	960	746	976
Zir	nc	ppm	ASTM D5185(m)	1270	1108	936	1154
Su	ılfur	ppm	ASTM D5185(m)	2060	2557	2211	2386
Lit	hium	ppm	ASTM D5185(m)		<1	<1	<1
(CONTAMINAN	ГS	method	limit/base	current	history1	history2
Sil	licon	ppm	ASTM D5185(m)	>25	3	4	4
Sc	odium	ppm	ASTM D5185(m)		2	3	2
Pc	otassium	ppm	ASTM D5185(m)	>20	<1	12	<1
1	NFRA-RED		method	limit/base	current	history1	history2
Sc	oot %	%	ASTM D7844*	>4	0.1	0.1	0.2
Nii	tration	Abs/cm	ASTM D7624*	>20	7.8	8.6	7.9
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DIAGNOSIS Recommendation

Resample at the next service interval to r

Wear

All component wear rates are normal.

Contamination

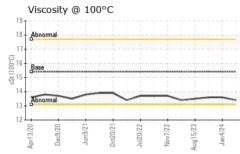
There is no indication of any contamination oil.

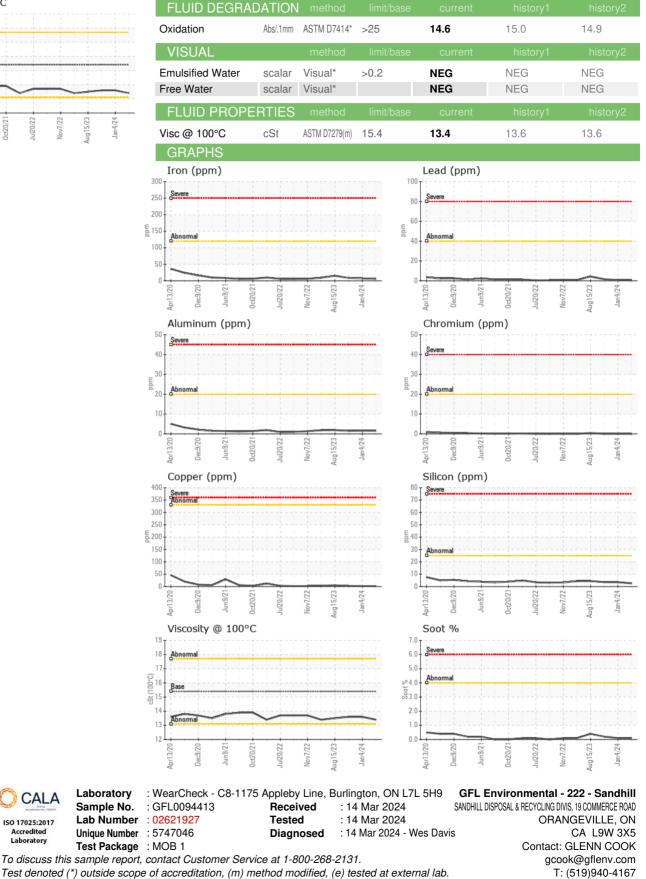
Fluid Condition

The condition of the oil is acceptable for service.



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Validity of results and interpretation are based on the sample and information as supplied.

CALA

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Laboratory

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