

# **OIL ANALYSIS REPORT**



## Machine Id 301214 Component

#### **Diesel Engine** Fluic

PETRO CANADA DURON SHP 10W30 (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

## Contamination

Light fuel dilution occurring.

#### Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The condition of the oil is acceptable for the time in service.

Sample DateClient Info25 Oct 202311 Apr 20233Machine AgekmsClient Info1623301492253Oil AgekmsClient Info050004Oil ChangedClient InfoN/AN/A4	GFL0063636 30 Jan 2023 144326 5000 N/A ABNORMAL history2
Machine AgekmsClient Info162330149225Oil AgekmsClient Info050009Oil ChangedClient InfoN/AN/A9Sample StatusImageImageABNORMALNORMAL9CONTAMINATIONmethodlimit/basecurrenthistory1WaterWC Method>0.2NEGNEG	144326 5000 N/A ABNORMAL
Oil Age kms Client Info 0 5000 <th>5000 N/A ABNORMAL</th>	5000 N/A ABNORMAL
Oil Changed Client Info N/A N/A   Sample Status Image: Constant in the image: Constant i	N/A ABNORMAL
Sample Status ABNORMAL NORMAL   CONTAMINATION method limit/base current history1   Water WC Method >0.2 NEG NEG	ABNORMAL
CONTAMINATION method limit/base current history1   Water WC Method >0.2 NEG NEG	
Water WC Method >0.2 NEG NEG	history2
	NEG
	NEG
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185(m) >100 <b>5</b> 5	6
Chromium     ppm     ASTM D5185(m)     >20     0     0	<1
Nickel     ppm     ASTM D5185(m)     >2     <1	<1
Titanium     ppm     ASTM D5185(m)     >2     <1	0
Silver     ppm     ASTM D5165(m)     >2     0     0	0
Aluminum     ppm     ASTM D5165(m)     >25     1     1	1
Lead     ppm     ASTM D5185(m)     >40     0     0	0
Copper     ppm     ASTM D5185(m)     >330     <1	<1
Tin     ppm     ASTM D5185(m)     >15     0     0	0
Antimony     ppm     ASTM D5185(m)     0     <1	0
Vanadium     ppm     ASTM D5185(m)     O     <1	<1
Beryllium     ppm     ASTM D5185(m)     0     0	0
Cadmium     ppm     ASTM D5185(m)     0     0	0
ADDITIVES method limit/base current history1	history2
	14
	0
	66
	<1
	< 1 <b>3</b> 93
Magnesium     ppm     ASTM D5185(m)     950     ▲ 428     356     ⊿       Calcium     ppm     ASTM D5185(m)     1050     941     977	1121
	610
	635
	1659
	<1
Litnium     ppm     ASIM DS180(m)     <1	history2
Silicon     ppm     ASTM D5185(m)     >25     2     2       Conditions     ASTM D5185(m)     >25     2     2	2
Sodium     ppm     ASTM D5185(m)     10     8       Determine     ASTM D5185(m)     00     0	13
Potassium     ppm     ASTM D5185(m)     >20     0     1       Fuel     active     active     bc     active     bc     active     bc	2
Fuel     %     ASTM D7593*     >5     ▲ 3.3     <1.0	3.8
INFRA-RED method limit/base current history1	history2
<b>Soot %</b> % ASTM D7844* >3 <b>0</b> 0	0
Nitration     Abs/cm     ASTM D7624*     >20     11.2     9.1	10.0
Sulfation     Abs/.1mm     ASTM D7415*     >30     22.7     19.9	21.4



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