

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id 10640C

Component Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (36 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

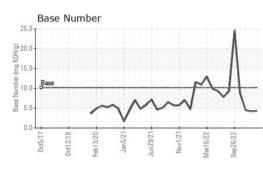
Fluid Condition

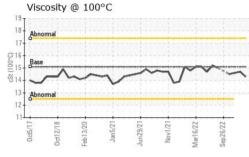
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

36 QTS)		2017 0-22	10 Fe2/220 Jan/021	Jun 921 Wer/921 Mr/2027		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date		Client Info Client Info		GFL0098500 04 Dec 2023	GFL0082226	GFL0069235 06 Mar 2023
Machine Age	hrs	Client Info		19789	12 May 2023 18564	18016
Dil Age	hrs	Client Info		2967	600	1194
Dil Changed	1110	Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Vater		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method	20.1			
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	20	20	37
Chromium	ppm	ASTM D5185m	>4	<1	1	5
Nickel	ppm	ASTM D5185m	>2	0	<1	2
Fitanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	2	4
ead	ppm	ASTM D5185m	>30	0	<1	3
Copper	ppm	ASTM D5185m	>35	3	<u> </u>	▲ 75
Fin Kana adiwar	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium Cadmium	ppm	ASTM D5185m ASTM D5185m		0	0	0
	ppm	ASTIVI DOTODIII		-	-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	9	5	6
Barium	ppm	ASTM D5185m	5	8	2	0
Volybdenum	ppm	ASTM D5185m	50	61	60	138
Manganese	ppm	ASTM D5185m	0	2	<1	2
Magnesium	ppm	ASTM D5185m	560	570	508	517
Calcium	ppm	ASTM D5185m	1510	1706	1546	1593
Phosphorus	ppm	ASTM D5185m	780	714	615	631
Zinc	ppm	ASTM D5185m	870	987	914	895
Sulfur	ppm	ASTM D5185m	2040	2758	2212	2585
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	24	4	8
Sodium	ppm	ASTM D5185m		10	1 00	A 787
Potassium	ppm	ASTM D5185m	>20	26	18	🔺 148
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.8	10.7	13.1
Sulfation	Abs/.1mm	*ASTM D7415		21.3	22.6	26.6
FLUID DEGRA	DAT <u>ION</u>	method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414		18.1	19.1	21.0
Base Number (BN)	mg KOH/g	ASTM D7414 ASTM D2896		4.3	4.2	4.5
(2,1)		DE000				

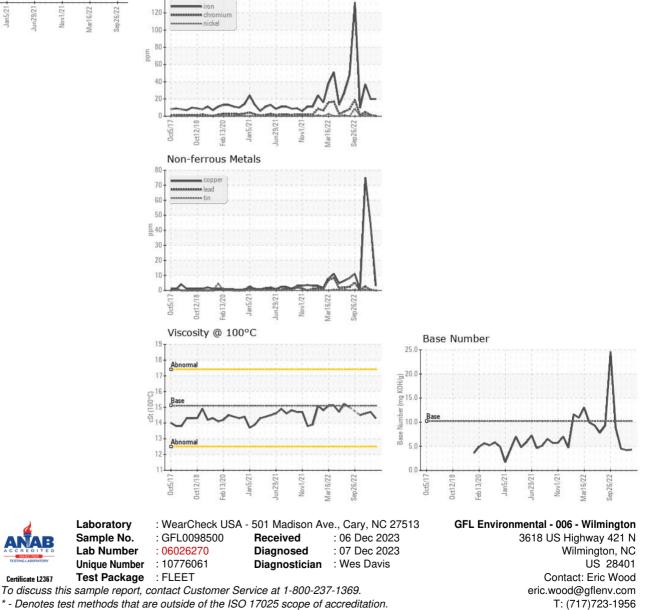


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.7	14.6
GRAPHS						
Ferrous Alloys						
140		Danishi				



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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