

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id 944032-260231

Component Natural Gas Engine Fluid

PETRO CANADA DURON GEO LD 15W40 (7 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

🔺 Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

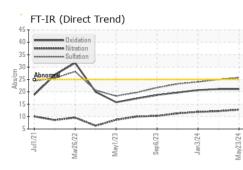
Fluid Condition

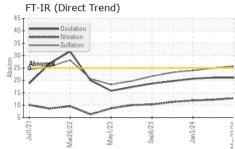
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

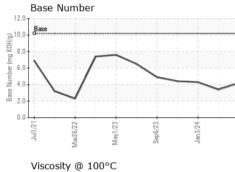
7 GAL)		Juižoz1	Ма/2022 Мау2023	SepŽ023 JanŽ024	Maj2024	
SAMPLE INFOR		method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0120938	GFL0114565	GFL0081078
Sample Date		Client Info		23 May 2024	24 Apr 2024	03 Jan 2024
Machine Age	hrs	Client Info		8998	8966	8028
Dil Age	hrs	Client Info		970	938	1200
Dil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	6 7	39	15
Chromium	ppm	ASTM D5185m	>4	4	2	1
Nickel	ppm	ASTM D5185m	>2	3	<1	<1
Fitanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>9	10	8	3
ead	ppm	ASTM D5185m	>30	<1	0	0
Copper	ppm	ASTM D5185m	>35	2	0	<1
īn	ppm	ASTM D5185m	>4	0	<1	<1
/anadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	5	7	7
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	66	65	57
<i>l</i> langanese	ppm	ASTM D5185m	0	1	<1	<1
<i>l</i> lagnesium	ppm	ASTM D5185m	560	600	609	588
Calcium	ppm	ASTM D5185m	1510	1970	1891	1731
Phosphorus	ppm	ASTM D5185m	780	863	842	751
Zinc	ppm	ASTM D5185m	870	1082	1084	1035
Sulfur	ppm	ASTM D5185m	2040	3130	2929	2497
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	13	10	5
Sodium	ppm	ASTM D5185m		13	11	14
Potassium	ppm	ASTM D5185m	>20	24	20	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	12.8	12.2	11.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.7	25.0	24.0
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	21.1	21.1	20.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	4.2	3.4	4.3

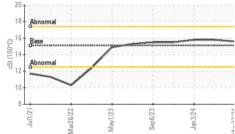


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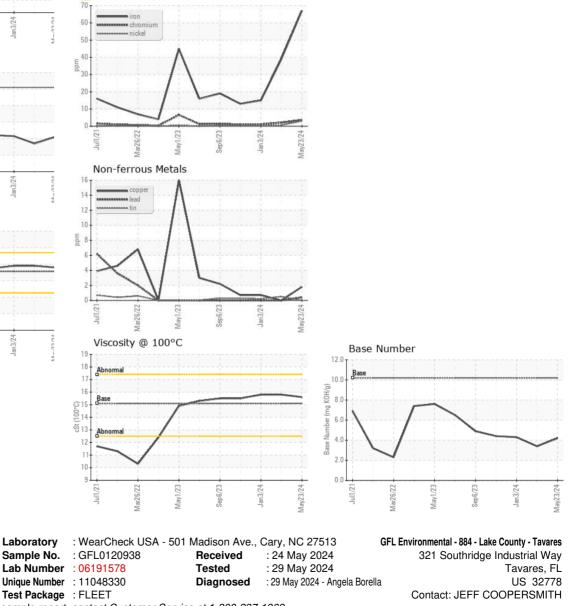






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
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FLUID PROPE	RHES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	15.6	15.8	15.8
GRAPHS						

Ferrous Alloys



To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) T: F:

Certificate 12367

Submitted By: Daniel Wheeler Page 2 of 2