

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

749010 Component Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (--- LTR)

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.

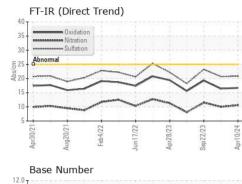
Fluid Condition

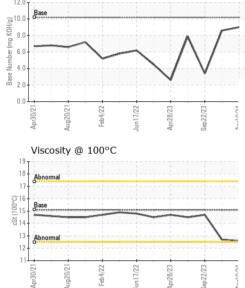
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample NumberClient InfoGFL0115508GFL0106983GFL009420Sample DateClient Info10 Apr 202406 Jan 202422 Sep 202Machine AgehrsClient Info148721429913536Oil AgehrsClient Info1487276365Oil ChangedClient InfoChangedN/AChangedSample StatusImageImageNORMALNORMALCONTAMINATIONmethodlimit/basecurrenthistory1history2WaterWC Method >0.1NEGNEGNEG	23
Machine Age hrs Client Info 14872 14299 13536 Oil Age hrs Client Info 14872 763 65 Oil Changed Client Info Changed N/A Changed Sample Status Imathematical Imathematical NORMAL NORMAL CONTAMINATION method limit/base current history1 history1 Water WC Method >0.1 NEG NEG NEG	
Oil Age hrs Client Info 14872 763 65 Oil Changed Client Info Changed N/A Changed Sample Status NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history Water WC Method >0.1 NEG NEG NEG	2
Oil Changed Client Info Changed N/A Changed Sample Status NORMAL NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history Water WC Method >0.1 NEG NEG NEG	2
Oil Changed Client Info Changed N/A Changed Sample Status NORMAL NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 history Water WC Method >0.1 NEG NEG NEG	2
Sample StatusNORMALNORMALNORMALCONTAMINATIONmethodlimit/basecurrenthistory1historyWaterWC Method>0.1NEGNEGNEG	2
Water WC Method >0.1 NEG NEG NEG	2
WEAR METALS method limit/base current history1 history	2
Iron ppm ASTM D5185m >50 22 19 7	
Chromium ppm ASTM D5185m >4 <1	
Nickel ppm ASTM D5185m >2 <1 0 0	
Titanium ppm ASTM D5185m <1	
Silver ppm ASTM D5185m >3 0 0 0	
Aluminum ppm ASTM D5185m >9 2 <1 3	
Lead ppm ASTM D5185m >30 1 <1 <1	
Copper ppm ASTM D5185m >35 <1	
Tin ppm ASTM D5185m >4 <1	
Vanadium ppm ASTM D5185m <1	
Cadmium ppm ASTM D5185m <1	
ADDITIVES method limit/base current history1 history	2
Boron ppm ASTM D5185m 50 2 3 3	
Barium ppm ASTM D5185m 5 0 0 0	
Molybdenum ppm ASTM D5185m 50 67 57 53	
Manganese ppm ASTM D5185m 0 <1	
Magnesium ppm ASTM D5185m 560 926 866 587	
Calcium ppm ASTM D5185m 1510 1169 1043 1610	
Phosphorus ppm ASTM D5185m 780 1009 1050 675	
Zinc ppm ASTM D5185m 870 1221 1252 996	
Sulfur ppm ASTM D5185m 2040 2971 2978 2451	
CONTAMINANTS method limit/base current history1 history	2
Silicon ppm ASTM D5185m >+100 5 3 3	
Silicon ppm ASTM D5185m >+100 5 3 3 Sodium ppm ASTM D5185m 18 15 9	
Sodium ppm ASTM D5185m 18 15 9	2
Sodium ppm ASTM D5185m 18 15 9 Potassium ppm ASTM D5185m >20 10 8 <1	2
SodiumppmASTM D5185m18159PotassiumppmASTM D5185m>20108<1INFRA-REDmethodlimit/basecurrenthistory1history	2
Sodium ppm ASTM D5185m 18 15 9 Potassium ppm ASTM D5185m >20 10 8 <1 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 1.5 1.5 0	2
Sodium ppm ASTM D5185m 18 15 9 Potassium ppm ASTM D5185m >20 10 8 <1 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844 1.5 1.5 0 Nitration Abs/cm *ASTM D7624 >20 10.6 10.0 11.5	
Sodium ppm ASTM D5185m 18 15 9 Potassium ppm ASTM D5185m<>20 10 8 <1 INFRA-RED method limit/base current history1 history Soot % % *ASTM D7844 1.5 1.5 0 Nitration Abs/cm *ASTM D7624 >20 10.6 10.0 11.5 Sulfation Abs/.1mm *ASTM D7415 >30 20.8 20.7 23.2	

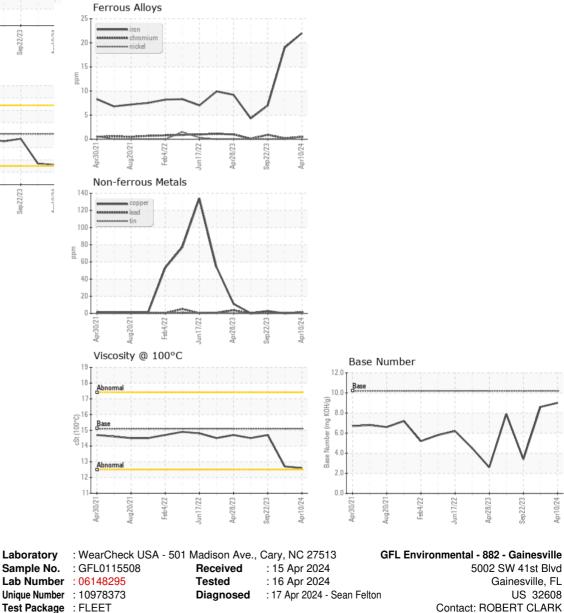


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	12.6	12.7	14.7
GRAPHS						





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)

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