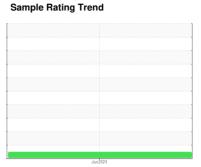


OIL ANALYSIS REPORT



NORMAL



Machine Id 934075

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

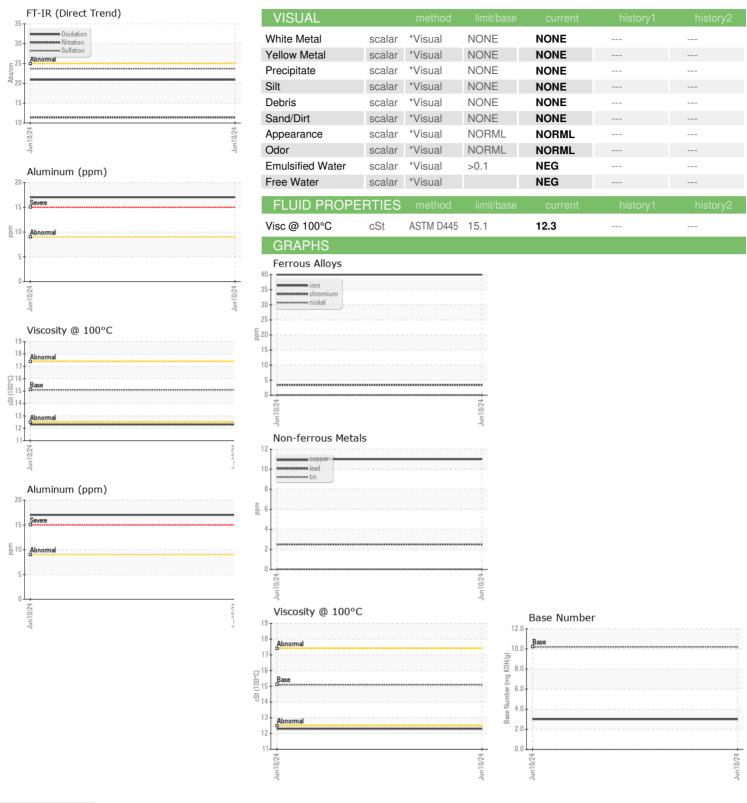
Fluid Condition

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.

SAMPLE INFORMATION method limit/base current history1 history2							
Sample Number Client Info GFL0113994	(GAL)				Jun2024		
Sample Number Client Info GFL0113994							
Sample Date Cilient Info 10 Jun 2024	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 10 Jun 2024	Sample Number		Client Info		GFL0113994		
Machine Age hrs Client Info 1125			Client Info		10 Jun 2024		
Oil Changed Satus		hrs	Client Info		1125		
Oil Changed Satus	Oil Age	hrs	Client Info		1125		
CONTAMINATION	-		Client Info		Changed		
CONTAMINATION method limit/base current history1 history2 Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 40 Chromium ppm ASTM D5185m >4 3 Nickel ppm ASTM D5185m >2 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >3 0 Lead ppm ASTM D5185m >30 2 Copper ppm ASTM D5185m >4 0 Cadmium ppm ASTM D5185m 5 1 ADDITIVES method limit/base current history1	-				_		
Water WC Method >0.1 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >50 40 Chromium ppm ASTM D5185m >4 3 Nickel ppm ASTM D5185m >2 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >9 17 Lead ppm ASTM D5185m >30 2 Lead ppm ASTM D5185m >30 2 Vanadium ppm ASTM D5185m >30 2 Vanadium ppm ASTM D5185m >4 0 Vanadium ppm ASTM D5185m 50 24		1011		11 14 0		1111	
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Iron	WEAR METAL	S	method	limit/base	current	history1	history2
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Titanium							
Silver				>2	-		
Aluminum		ppm					
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Sulfation Abs/.1mm *ASTM D7415 >30 23.7 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.9	Nitration	Abs/cm	*ASTM D7624	>20	11.4		
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 20.9							
Oxidation						history1	history2
						•	•
Base Number (BN) mg KOH/g ASTM D2896 10.2 3.0							
	Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.0		



OIL ANALYSIS REPORT







Sample No.

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0113994 Lab Number : 06211033 Unique Number : 11083897 Test Package : FLEET

Received **Tested** Diagnosed

: 14 Jun 2024 : 19 Jun 2024 : 19 Jun 2024 - Sean Felton

Muskego, WI

Contact: Brian Schlomann brian.schlomann@gflenv.com T: (262)510-4586

W144 S6400 College Ct.

GFL Environmental - 932 - Muskego HC

Certificate 12367

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

 st - 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) US 53150