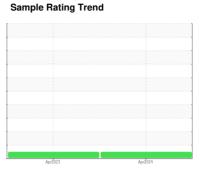


OIL ANALYSIS REPORT



NORMAL



Machine Id 847001

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

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.

(GAL)			Apr2023	Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0108396	GFL0065046	
Sample Date		Client Info		10 Apr 2024	20 Apr 2023	
Machine Age	hrs	Client Info		16051	14254	
Oil Age	hrs	Client Info		16051	14254	
Oil Changed		Client Info		Changed	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	13	17	
Chromium	ppm	ASTM D5185m	>4	2	2	
Nickel	ppm	ASTM D5185m	>2	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>9	2	4	
Lead	ppm	ASTM D5185m	>30	<1	<1	
Copper	ppm	ASTM D5185m	>35	212	<1	
Tin	ppm	ASTM D5185m	>4	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	12	7	
Barium	ppm	ASTM D5185m	5	0	0	
Molybdenum	ppm	ASTM D5185m	50	57	59	
Manganese	ppm	ASTM D5185m	0	<1	<1	
Magnesium	ppm	ASTM D5185m	560	556	619	
Calcium	ppm	ASTM D5185m	1510	1687	1808	
Phosphorus	ppm	ASTM D5185m	780	773	765	
Zinc	ppm	ASTM D5185m	870	980	1042	
Sulfur	ppm	ASTM D5185m	2040	2642	2772	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	17	5	
Sodium	ppm	ASTM D5185m		26	10	
Potassium	ppm	ASTM D5185m	>20	4	0	
Glycol	%	*ASTM D2982		0.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	
Nitration	Abs/cm	*ASTM D7624	>20	11.1	13.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	24.5	
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	19.9	
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	4.5	4.3	



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Lab Number : 06148454 Unique Number : 10978532

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0108396

Test Package : FLEET (Additional Tests: Glycol)

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

Received : 15 Apr 2024 **Tested** Diagnosed

: 17 Apr 2024

: 17 Apr 2024 - Wes Davis

W144 S6400 College Ct. Muskego, WI US 53150 Contact: Brian Schlomann brian.schlomann@gflenv.com

 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) T: (262)510-4586