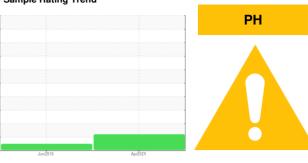


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
8264

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. 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

▲ Fluid Condition

The i-pH level is abnormally low. Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable.

GAL)			Jun2016	AprŽ024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117299	PC397896	
Sample Date		Client Info		20 Apr 2024	10 Jun 2016	
Machine Age	kms	Client Info		330729	614	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				ABNORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
Glycol		WC Method	>0.1		0.0	
-		WO MELITOU			0.0	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	16	37	
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	
Nickel	ppm	ASTM D5185(m)	>2	0	1	
Titanium	ppm	ASTM D5185(m)		0	3	
Silver	ppm	ASTM D5185(m)	>3	0	<1	
Aluminum	ppm	ASTM D5185(m)	>9	2	2	
Lead	ppm	ASTM D5185(m)	>30	0	13	
Copper	ppm	ASTM D5185(m)	>35	<1	351	
Tin	ppm	ASTM D5185(m)	>4	0	1	
Antimony	ppm	ASTM D5185(m)		0	1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	50	4	3	
Barium	ppm	ASTM D5185(m)	5	0	2	
Molybdenum	ppm	ASTM D5185(m)	50	53	30	
Manganese	ppm	ASTM D5185(m)	0	<1	8	
Magnesium	ppm	ASTM D5185(m)	560	865	117	
Calcium	ppm	ASTM D5185(m)	1510	954	1334	
Phosphorus	ppm	ASTM D5185(m)	780	902	756	
Zinc	ppm	ASTM D5185(m)	870	1064	939	
Sulfur	ppm	ASTM D5185(m)	2040	2322	4519	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	4	27	
Sodium	ppm	ASTM D5185(m)		5	3	
Potassium	ppm	ASTM D5185(m)	>20	<1	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		8.0	0	
Nitration	Abs/cm	ASTM D7624*	>20	9.5	8.1	
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.0	22.9	



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: GFL0117299 : 02632474 Unique Number : 5773627

Received :01 May 2024 **Tested**

: 02 May 2024 Diagnosed : 02 May 2024 - Kevin Marson Test Package : MOB 2 (Additional Tests: i-pH, TAN Auto, TAN Man, Visual)

To discuss this sample report, contact Customer Service at 1-800-268-2131.

CA T1X 1X1 Contact: GFL Calgary calgarymaintenance@gflenv.com T:

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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Rocky View County, AB