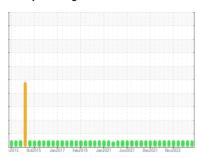


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 3444C Component

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (29 GAL)

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

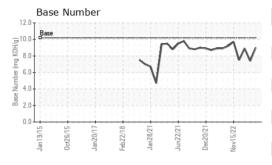
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

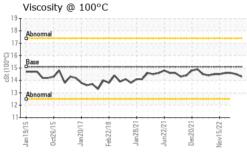
29 GAL)	GAL)					
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0069401	GFL0061168	GFL0065784
Sample Date		Client Info		17 Jul 2023	09 May 2023	08 Feb 2023
Machine Age	hrs	Client Info		15510	15510	15510
Oil Age	hrs	Client Info		413	529	655
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5	4	4
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	<1	0	<1
Lead	ppm	ASTM D5185m	>30	<1	<1	<1
Copper	ppm	ASTM D5185m	>35	0	0	0
	ppm	ASTM D5185m	>4	<1	1	0
Vanadium ;	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	50	39	44
Barium	ppm	ASTM D5185m	5	1	0	0
Molybdenum	ppm	ASTM D5185m	50	48	48	47
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	586	565	525
Calcium	ppm	ASTM D5185m	1510	1582	1473	1480
	ppm	ASTM D5185m	780	773	767	701
Zinc	ppm	ASTM D5185m	870	955	919	867
	ppm	ASTM D5185m	2040	3001	2903	2678
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	14	11	14
Sodium	ppm	ASTM D5185m		3	3	1
Potassium	ppm	ASTM D5185m	>20	2	3	0
INFRA-RED		method	limit/base	current	history1	history2
	%	*ASTM D7844		0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.9	6.2	6.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	17.1	18.5
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation /	Abs/.1mm	*ASTM D7414	>25	15.4	14.8	15.2
D 11 (D11)	1/011/	A OTA A DOGGO	100		7.4	0.0

Base Number (BN) mg KOH/g ASTM D2896 10.2



OIL ANALYSIS REPORT

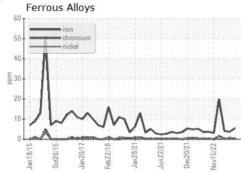


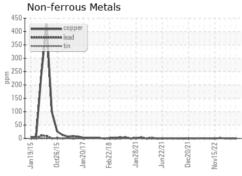


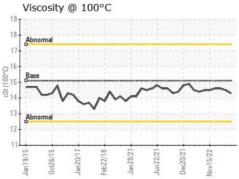
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

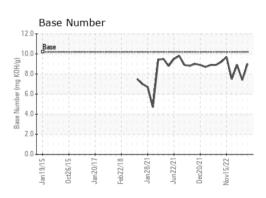
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.5	14.6

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: GFL0069401 : 05900658 : 10562014

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

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

: 17 Jul 2023 : 18 Jul 2023 Diagnostician : Wes Davis

GFL Environmental - 017 - Durham

148 Stone Park Court Durham, NC US 27703 Contact: Shane Parks

shane.parks@gflenv.com T: (919)596-1363

* - 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)

Report Id: GFL017 [WUSCAR] 05900658 (Generated: 07/18/2023 13:52:23) Rev: 1

Submitted By: Shane Parks

F: (919)598-1852