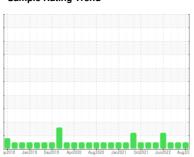


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 2709C Component

Diesel Engine

PETRO CANADA DURON GEO LD 15W40 (36 QTS)

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

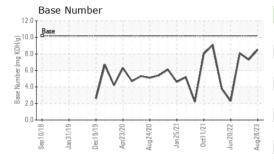
Fluid Condition

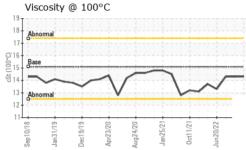
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

(30 QT3) 102018 Juni2019 Duni2019 Augi2020 Augi2020 Juni2021 Juni2022 Augi20.						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0095835	PCA0077285	PCA0077335
Sample Date		Client Info		28 Aug 2023	19 Apr 2023	03 Nov 2022
Machine Age	hrs	Client Info		13767	12947	11991
Oil Age	hrs	Client Info		820	956	992
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>165	2	1	2
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	<1
Lead	ppm	ASTM D5185m	>150	0	0	<1
Copper	ppm	ASTM D5185m	>90	0	0	0
Tin	ppm	ASTM D5185m	>5	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	52	39	40
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	46	48	45
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	560	592	558	462
Calcium	ppm	ASTM D5185m	1510	1655	1465	1416
Phosphorus	ppm	ASTM D5185m	780	845	732	704
Zinc	ppm	ASTM D5185m	870	1045	937	777
Sulfur	ppm	ASTM D5185m	2040	3326	2753	2860
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	3	4	4
Sodium	ppm	ASTM D5185m		3	2	5
Potassium	ppm	ASTM D5185m	>20	2	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>7.5	0	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.6	6.9	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.7	18.5	20.0
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	15.2	16.1
Base Number (BN)	mg KOH/g		10.2	8.5	7.3	8.1
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OIL ANALYSIS REPORT

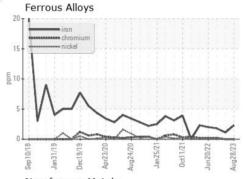


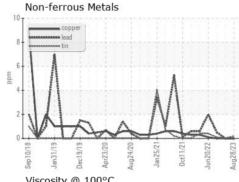


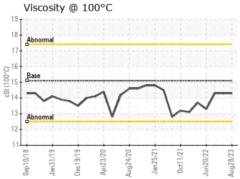
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

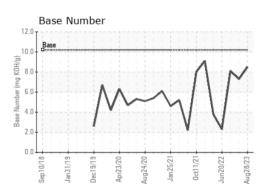
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.1	14.3	14.3	14.3	

GRAPHS













Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0095835 : 05938146

: 10628758

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

Received : 30 Aug 2023 Diagnosed : 30 Aug 2023 Diagnostician : Wes Davis

GFL Environmental - 002 - Vance-Granville

241 Vanco Mill Rd Henderson, NC US 27537

F: (252)431-1635

Contact: Cameron King cameron.king@gflenv.com

T: (252)438-5333

* - 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: GFL002 [WUSCAR] 05938146 (Generated: 08/30/2023 15:40:19) Rev: 1