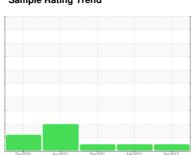


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **003684**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- GAL)

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

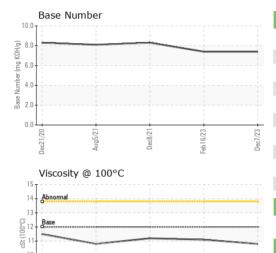
Fluid Condition

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

GAL)		Dec2020	Aug2021	Dec2021 Feb2023	Dec2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	mls mls	Client Info Client Info Client Info Client Info Client Info		PCA0091607 07 Dec 2023 40804 7621 Changed NORMAL	PCA0045458 16 Feb 2023 33183 9831 Changed NORMAL	PCA0045546 08 Dec 2021 23352 5700 Changed NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method	>5 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>100 >20 >4 >3 >20 >40	31 <1 0 <1 0 19	45 1 <1 <1 0 44 <1	26 <1 1
Lead Copper Tin Antimony Vanadium Cadmium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>330 >15	0 0 0	17 <1 <1 0	8 <1 <1 <0 0
ADDITIVES		method	limit/base	current	history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	2 0 50 0 950 1050 995 1180 2600	<1 0 59 0 900 972 838 1160 2791	0 0 59 1 919 1111 932 1207 3289	2 0 58 <1 943 1064 1002 1198 2581
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>25 >20	4 0 34	6 2 64	6 2 70
INFRA-RED Soot % Nitration Sulfation FLUID DEGRAI	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	limit/base >3 >20 >30 limit/base	0.7 10.4 20.6 current	history1 0.9 10.9 20.9 history1	history2 0.5 8.6 20 history2
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25	18.4 7.4	17.9 7.4	16.9 8.3



OIL ANALYSIS REPORT

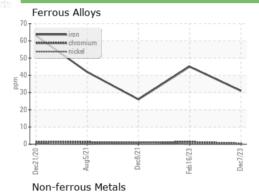


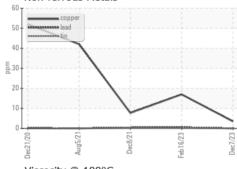
Feb 16/23

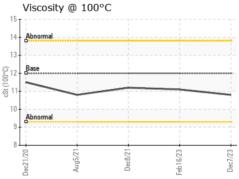
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

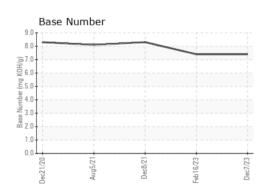
		method			riistory i	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	12.00	10.8	11.1	11.2

GRAPHS











Laboratory Sample No. Lab Number

: 06040243 Unique Number : 10795472

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0091607

Recieved Diagnosed

: 20 Dec 2023 : 21 Dec 2023

Diagnostician : Sean Felton

Test Package : FLEET (Additional Tests: FT-IR(Diff)) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

ICSB370 - Alton 4525 North Alby Road Godfrey, IL

US 62035 Contact: Chad Ingold

c.ingold@illinois-central.com T: (618)466-5400