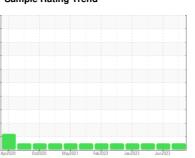


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 1926740

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (35 QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

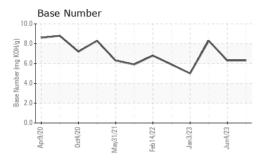
Fluid Condition

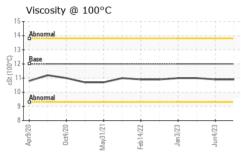
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

QTS)		Apr2020	Oct2020 May2021	Feb 2022 Jan 2023 Ju	in2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0114767	PCA0099919	PCA0094438
Sample Date		Client Info		11 Feb 2024	04 Jun 2023	06 Mar 2023
Machine Age	mls	Client Info		0	0	253247
Oil Age	mls	Client Info		20000	40000	18024
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	19	31	13
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	1	<1
Titanium	ppm	ASTM D5185m		36	6	6
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	2
Lead	ppm	ASTM D5185m	>40	2	2	0
Copper	ppm	ASTM D5185m	>330	5	8	4
Tin	ppm	ASTM D5185m	>15	1	2	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	21	2	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	50	25	59	49
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	950	559	901	783
Calcium	ppm	ASTM D5185m		1364	1211	1082
Phosphorus	ppm	ASTM D5185m	995	910	988	902
Zinc	ppm	ASTM D5185m	1180	1030	1246	1072
Sulfur	ppm	ASTM D5185m		3609	3034	3293
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	3
Sodium	ppm	ASTM D5185m		6	14	7
Potassium	ppm	ASTM D5185m	>20	5	4	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.5	0.3
Nitration	Abs/cm	*ASTM D7624	>20	9.0	9.7	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	21.2	19.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	17.3	15.2
Base Number (BN)	mg KOH/g	ASTM D2896		6.3	6.3	8.3



OIL ANALYSIS REPORT

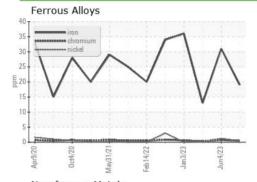


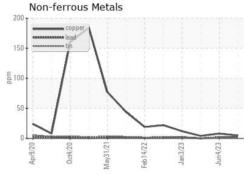


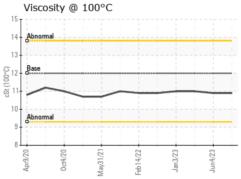
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

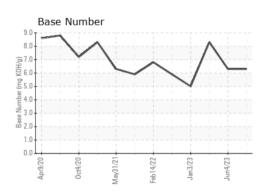
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	12.00	10.9	10.9	11.0

GRAPHS













Certificate L2367

Laboratory

Sample No. Test Package : FLEET

Lab Number : 06118047 Unique Number: 10926880

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0114767

Received **Tested** Diagnosed

: 14 Mar 2024 : 15 Mar 2024

: 15 Mar 2024 - Wes Davis

PERDUE FARMS - GEORGETOWN

20621 SAVANAH RD GEORGETOWN, DE

US 19947 Contact: ROBERT LOCKWOOD

Robert.Lockwood@Perdue.com T:

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)

F: