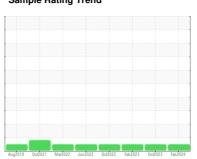


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **288110**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- 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.

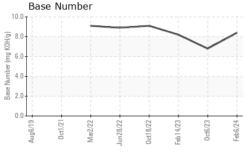
Fluid Condition

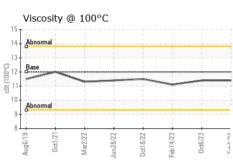
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Augžo19 oczósz Mužoz Junžoz Oczósz Febžoz Oczósz Febžoz Oczósz Febžoz								
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		PCA0117001	PCA0106301	PCA0092394		
Sample Date		Client Info		06 Feb 2024	06 Oct 2023	14 Feb 2023		
Machine Age	mls	Client Info		97484	94760	84318		
Oil Age	mls	Client Info		0	0	0		
Oil Changed		Client Info		Not Changd	Changed	Changed		
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	24	70	23		
Chromium	ppm	ASTM D5185m	>20	<1	<1	0		
Nickel	ppm	ASTM D5185m	>4	0	<1	0		
Titanium	ppm	ASTM D5185m		<1	0	0		
Silver	ppm	ASTM D5185m	>3	0	0	0		
Aluminum	ppm	ASTM D5185m	>20	2	6	3		
Lead	ppm	ASTM D5185m	>40	0	<1	0		
Copper	ppm	ASTM D5185m	>330	2	2	0		
Tin	ppm	ASTM D5185m	>15	<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	2	5	4	17		
Barium	ppm	ASTM D5185m		0	0	0		
Molybdenum	ppm	ASTM D5185m	50	60	68	62		
Manganese	ppm	ASTM D5185m		<1	<1	<1		
Magnesium	ppm	ASTM D5185m	950	912	1051	832		
Calcium	ppm	ASTM D5185m		1061	1200	1154		
Phosphorus	ppm	ASTM D5185m	995 1180	1022	1215 1520	898		
Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m		1178 2948	3506	1130 3092		
CONTAMINAN		method	limit/base	current	history1	history2		
Silicon		ASTM D5185m		0	6	3		
Sodium	ppm	ASTM D5185m	>20	1	0	0		
Potassium	ppm	ASTM D5185m	>20	0	4	2		
INFRA-RED	la la	method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>3	0.5	0.7	0.6		
Nitration	Abs/cm	*ASTM D7624		8.3	11.0	9.1		
Sulfation	Abs/.1mm	*ASTM D7415		18.7	20.4	19.2		
FLUID DEGRA	<u>NOI</u> TAC	method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414		15.0	17.9	15.5		
Base Number (BN)	mg KOH/g	ASTM D2896	<i>></i> ∠J	8.4	6.8	8.2		
Dase Mulliber (DIN)	ilig NOI1/g	AO I WI DZ030		0.4	0.0	0.2		



OIL ANALYSIS REPORT

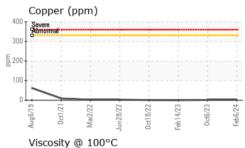


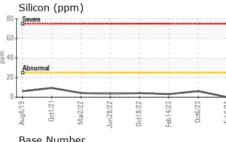


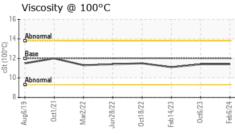
VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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

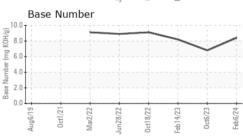
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.4	11.4	11.1

arti ti i i i										
Iron (ppm)					100 -	Lead (pp	m)			
Severe					80	Severe				
					E 60					
Abnoma					40+	Abnormal				-
				\	20					
Oct1/21-	Jun28/22	Feb14/23 -	Oct6/23 -	Feb6/24	0 -	Aug6/19 -	Mar2/22 -	Jun28/22	0ct18/22 -	Feb14/23
_	,	是	ő	迅		⋖		-	Oct	문
Aluminum (pp	m)				50 -	Chromiu	m (ppr	n)		
Severe					40	Severe				
					E 30					
Abnormal	·····				E 20	Abnormal				
					10					













Laboratory Sample No.

Unique Number: 10889619

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Lab Number** : 06096766

: PCA0117001

Received **Tested** Diagnosed

: 22 Feb 2024 : 23 Feb 2024

: 23 Feb 2024 - Wes Davis

HASBROUCK HEIGHTS, NJ US 07604 Contact: MIKE LONGETTE

MILLER TRUCK LEASING #119

39 INDUSTRIAL AVE

mlongette@millertransgroup.com T:

Test Package : MOB 1 (Additional Tests: TBN) 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: (201)528-7053