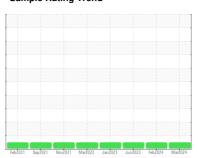


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
302616

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.

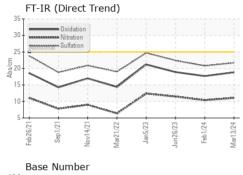
Fluid Condition

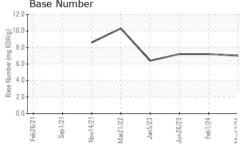
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

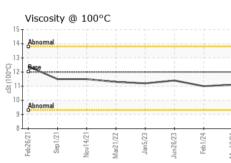
Feb.2021 Sep.2021 Nov2021 Nov2021 Jan2023 Jun2023 Feb.2024 Mar2024							
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0110624	PCA0110655	PCA0097324	
Sample Date		Client Info		13 Mar 2024	01 Feb 2024	26 Jun 2023	
Machine Age	mls	Client Info		142730	139475	115460	
Oil Age	mls	Client Info		27270	24015	28674	
Oil Changed		Client Info		Changed	Not Changd	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	26	21	34	
Chromium	ppm	ASTM D5185m	>20	1	<1	2	
Nickel	ppm	ASTM D5185m	>4	<1	0	<1	
Titanium	ppm	ASTM D5185m		6	2	16	
Silver	ppm	ASTM D5185m	>3	0	<1	0	
Aluminum	ppm	ASTM D5185m	>20	9	7	11	
Lead	ppm	ASTM D5185m	>40	0	0	0	
Copper	ppm	ASTM D5185m	>330	3	3	4	
Tin	ppm	ASTM D5185m	>15	1	<1	2	
Vanadium	ppm	ASTM D5185m		<1	0	0	
Cadmium	ppm	ASTM D5185m		0	0	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	2	7	4	8	
Barium	ppm	ASTM D5185m	0	0	25	0	
Molybdenum	ppm	ASTM D5185m	50	61	60	53	
Manganese	ppm	ASTM D5185m	0	<1	0	1	
Magnesium	ppm	ASTM D5185m	950	894	861	868	
Calcium	ppm	ASTM D5185m	1050	1164	1099	1186	
Phosphorus	ppm	ASTM D5185m	995	973	1071	1015	
Zinc	ppm	ASTM D5185m	1180	1184	1138	1233	
Sulfur	ppm	ASTM D5185m	2600	3106	3389	3132	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	5	4	6	
Sodium	ppm	ASTM D5185m		2	0	5	
Potassium	ppm	ASTM D5185m	>20	7	7	9	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.7	0.6	0.8	
Nitration	Abs/cm	*ASTM D7624	>20	11.1	10.4	11.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.7	20.8	22.4	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.8	17.7	18.9	
Base Number (BN)	mg KOH/g	ASTM D2896		7.0	7.2	7.2	



OIL ANALYSIS REPORT



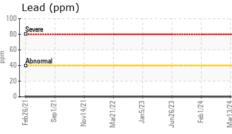


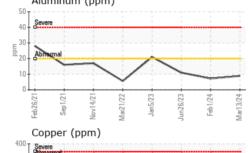


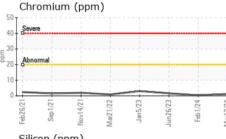
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

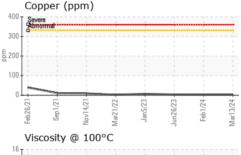
L LOID LUCLI		memou			HISTOLAL	HISTOLA
Visc @ 100°C	cSt	ASTM D445	12.00	11.1	11.0	11.4

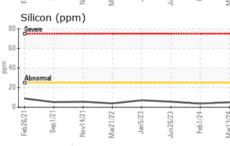
00 - Sever	e						
50							
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50	_						
1.1			$\stackrel{\checkmark}{\sim}$	-	-		=
0							
Feb26/21	Sep1/21-	Nov14/21	Mar21/22	Jan5/23	Jun26/23	Feb1/24	Mar13/24

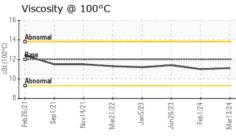


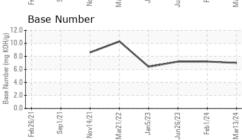














Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0110624 Lab Number : 06138299 Unique Number: 10963107

Received **Tested** Diagnosed

: 04 Apr 2024 : 04 Apr 2024

: 04 Apr 2024 - Wes Davis

MILLER TRUCK LEASING #123 66 KELLER AVENUE LANCASTER, PA

US 17601 Contact: RON ROBERTS rroberts@millertransgroup.com

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.

F: (717)945-5818 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (717)945-6205