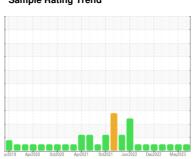


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **5053-197732**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- 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

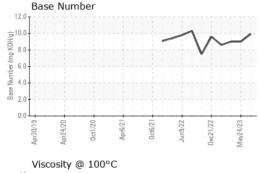
Fluid Condition

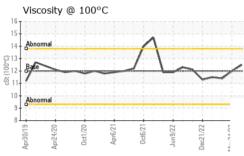
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

pd2019 Apri2020 Oct2020 Apri2021 Oct2021 Juni2022 Oct2022 May/2023							
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0101349	PCA0098072	PCA0094275	
Sample Date		Client Info		12 Jul 2023	24 May 2023	22 Mar 2023	
Machine Age	mls	Client Info		0	325804	311912	
Oil Age	mls	Client Info		0	0	0	
Oil Changed		Client Info		N/A	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	
Glycol		WC Method		NEG	NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>100	20	14	13	
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>4	0	<1	0	
Titanium	ppm	ASTM D5185m		0	0	0	
Silver	ppm	ASTM D5185m	>3	<1	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	4	2	
Lead	ppm	ASTM D5185m	>40	<1	2	<1	
Copper	ppm	ASTM D5185m	>330	<1	3	<1	
Tin	ppm	ASTM D5185m	>15	0	1	<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	2	0	7	8	
Barium	ppm	ASTM D5185m	0	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	68	65	58	
Manganese	ppm	ASTM D5185m	0	<1	1	<1	
Magnesium	ppm	ASTM D5185m	950	1111	982	920	
Calcium	ppm	ASTM D5185m	1050	1208	1194	1222	
Phosphorus	ppm	ASTM D5185m	995	1159	1115	992	
Zinc	ppm	ASTM D5185m	1180	1448	1387	1303	
Sulfur	ppm	ASTM D5185m	2600	3952	3881	3218	
CONTAMINAN	ITS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	3	4	4	
Sodium	ppm	ASTM D5185m		10	13	18	
Potassium	ppm	ASTM D5185m	>20	0	4	5	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	2.6	2	1.3	
Nitration	Abs/cm	*ASTM D7624	>20	13.4	12.5	10.5	
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.3	24.4	21.7	
FLUID DEGRA	OATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	21.4	17.6	
Base Number (BN)	mg KOH/g			9.9	9.0	9.0	
, ,							



OIL ANALYSIS REPORT

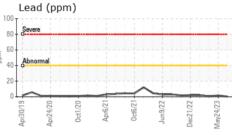


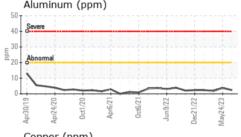


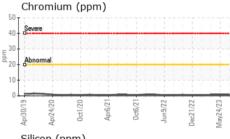
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

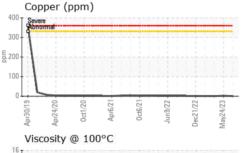
FLUID PROP	EHILO	method			riistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	12.00	12.5	12.0	11.4

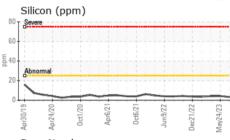
Iron (ppm)						
200 Severe							
450							
100 Abnorma	al					-	-
50							
0	20		-12	/21	22	22	Z3 +
Apr30/19	Apr24/20		Apr6/2	Oct6/	Jun9/22	Dec21/	May24/23
Aluminum (nnm)							

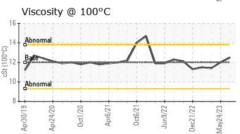


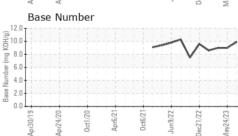
















Laboratory Sample No. Lab Number

Unique Number

: PCA0101349 : 05903048 : 10564404

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

: 20 Jul 2023 : 20 Jul 2023 Diagnostician : Wes Davis

Test Package : MOB 1 (Additional Tests: TBN)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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.

MILLER TRUCK LEASING #119

39 INDUSTRIAL AVE HASBROUCK HEIGHTS, NJ US 07604

Contact: MIKE LONGETTE mlongette@millertransgroup.com

T: F: (201)528-7053

Report Id: MILRUT [WUSCAR] 05903048 (Generated: 07/20/2023 16:33:42) Rev: 1

Contact/Location: MIKE LONGETTE - MILRUT