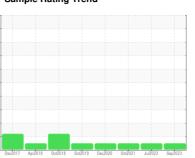


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 484147

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (20 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

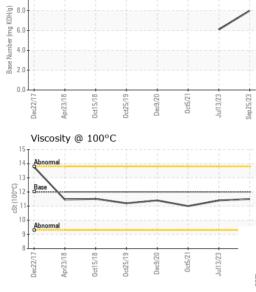
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

QTS)		Dec2017 A	Apr2018 Oct2018 Oct20	19 Dec2020 Oct2021 Jul2023	Sep2023	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0105337	PCA0095745	PCA0057154
Sample Date		Client Info		25 Sep 2023	13 Jul 2023	05 Oct 2021
Machine Age	mls	Client Info		362378	355290	25956
Oil Age	mls	Client Info		362378	355290	25956
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	>90	24	60	97
Chromium	ppm	ASTM D5185m	>20	<1	2	4
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m	>2	0	4	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	4	9
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	<1	2	6
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Antimony	ppm	ASTM D5185m				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	2	3	8
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	61	57	59
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	1005	913	950
Calcium	ppm	ASTM D5185m	1050	1227	1229	1271
Phosphorus	ppm	ASTM D5185m	995	1079	989	953
Zinc	ppm	ASTM D5185m	1180	1327	1244	1169
Sulfur	ppm	ASTM D5185m	2600	3105	3429	3850
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	6	8
Sodium	ppm	ASTM D5185m		3	4	6
Potassium	ppm	ASTM D5185m	>20	2	2	7
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.7	1.2	1.1
Nitration	Abs/cm	*ASTM D7624	>20	10.1	13.6	14.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	25.2	26.7
FLUID DEGRA	NOITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.0	22.7	24.3
Base Number (BN)	mg KOH/g	ASTM D2896		8.0	6.1	



Base Number

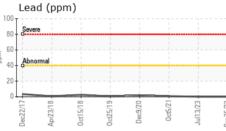
OIL ANALYSIS REPORT

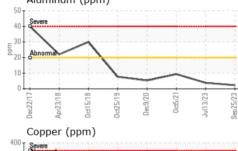


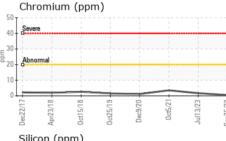
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

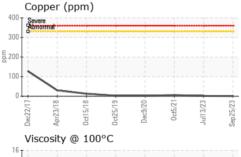
FLUID FROFI	ENTIES	method			HISTOLAL	HISTOLYZ
Visc @ 100°C	cSt	ASTM D445	12.00	11.5	11.4	11.0

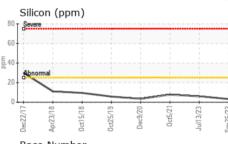
Severe						
Abnormal				/		
						\
Dec22/17 Apr23/18	Oct15/18	0ct25/19	Dec9/20	0ct5/21.	Jul13/23	Sep25/23
Aluminu	m (ppr	n)				0,
Severe						

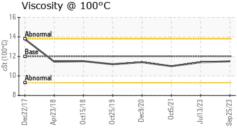


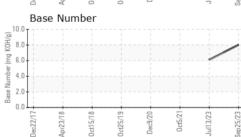














Laboratory Sample No. Lab Number **Unique Number**

: 10675318

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0105337 : 05968767

Received Diagnosed

: 04 Oct 2023 : 04 Oct 2023

Diagnostician : Wes Davis

Test Package : MOB 1 (Additional Tests: TBN) Certificate L2367 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)

MILLER TRUCK LEASING #118

2196 BENNETT ROAD PHILADELPHIA, PA US 19116

Contact: ROSTY VITER rviter@millertransgroup.com T: (215)552-9832

F: (215)552-9892

Contact/Location: ROSTY VITER - MILPHINE