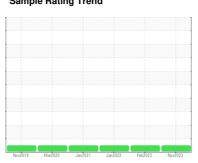


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 403458

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

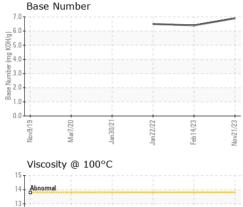
Fluid Condition

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

AL)		Nov2019	Mar2020 Jan202	Jan2022 Feb2023	Nov2023	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0098961	PCA0089911	PCA0058650
Sample Date		Client Info		21 Nov 2023	14 Feb 2023	22 Jan 2022
Machine Age	mls	Client Info		139807	126692	105125
Oil Age	mls	Client Info		0	21267	35378
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
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	29	44	58
Chromium	ppm	ASTM D5185m	>20	1	2	2
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>30	11	16	22
_ead	ppm	ASTM D5185m	>30	2	<1	0
Copper	ppm	ASTM D5185m	>30	2	3	5
Борро. Гin	ppm	ASTM D5185m	>15	2	2	2
Antimony	ppm	ASTM D5185m	710			<1
√anadium	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	6	<1	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	50	61	64	66
Vanganese	ppm	ASTM D5185m		1	<1	<1
Magnesium		ASTM D5185m	950	865	950	1018
Calcium	ppm	ASTM D5185m	1050	1112	1107	1187
Phosphorus		ASTM D5185m	995	942	931	1024
Zinc	ppm	ASTM D5185m		1129	1238	1296
Sulfur	ppm	ASTM D5185m		3432	3510	2595
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		3	4	6
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	6	5	16
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.1	1.3	1.5
Nitration	Abs/cm	*ASTM D7624		12.6	13.3	15.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	25.2	30.3
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	22.2	27.1
	mg KOH/g	ASTM D2896		6.9	6.4	6.5

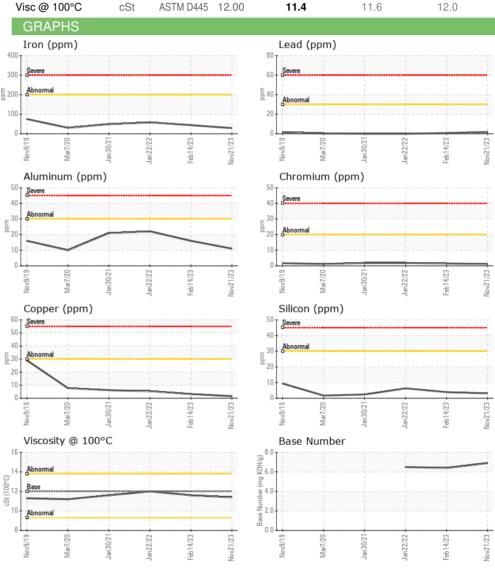


OIL ANALYSIS REPORT



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
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FLUID PROPE	KHES	method	limit/base	current	history1	history2

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Laboratory

Sample No.

Lab Number : 06118088 Unique Number : 10926921

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0098961

Received : 14 Mar 2024 **Tested** Diagnosed

: 15 Mar 2024 : 15 Mar 2024 - Wes Davis

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)

MILLER TRUCK LEASING #112

1504 MAINLINE DR CINNAMINSON, NJ US 08077

Contact: MIKE BOYER

mboyer@millertransgroup.com T: (856)662-4264

Contact/Location: MIKE BOYER - MILPEN

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