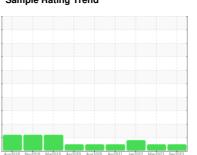


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 483545

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (18 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

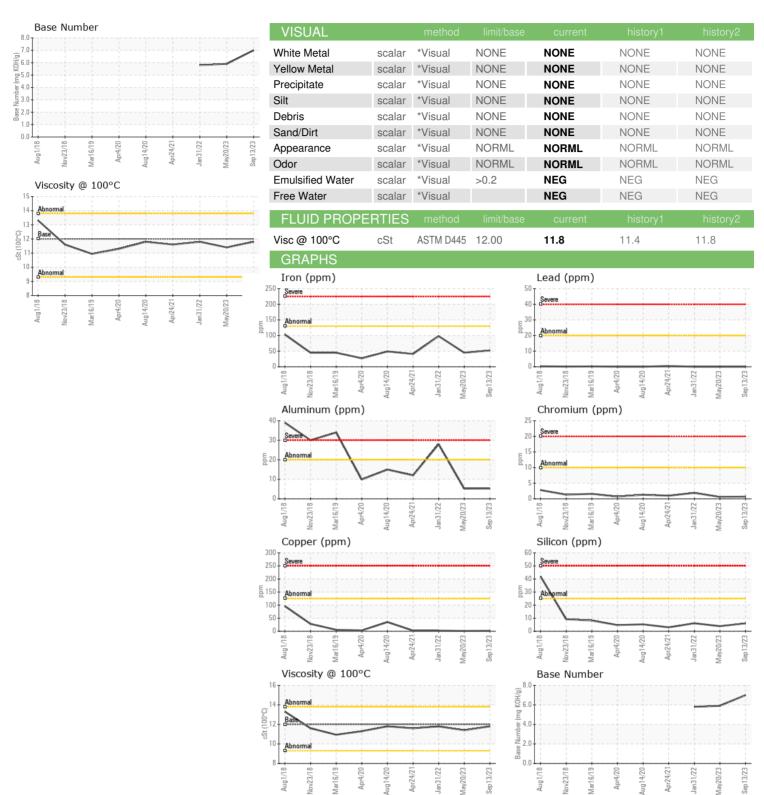
Fluid Condition

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

QTS)		Aug2018 No	v2018 Mar2019 Apr2020	Aug 2020 Apr 2021 Jan 2022 May 20	23 Sep 2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0105786	PCA0097767	PCA0064062
Sample Date		Client Info		13 Sep 2023	20 May 2023	31 Jan 2022
Machine Age	mls	Client Info		222678	200730	150122
Oil Age	mls	Client Info		13748	10000	16484
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
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	>130	52	45	98
Chromium	ppm	ASTM D5185m	>10	<1	<1	2
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	5	<u>^</u> 28
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>125	2	1	2
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Antimony	ppm	ASTM D5185m				0
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	13	14	6
Barium	ppm	ASTM D5185m	0	0	2	0
Molybdenum	ppm	ASTM D5185m	50	72	76	69
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	950	846	848	1124
Calcium	ppm	ASTM D5185m	1050	1378	1224	1270
Phosphorus	ppm	ASTM D5185m	995	1080	1002	1099
Zinc	ppm	ASTM D5185m	1180	1363	1212	1416
Sulfur	ppm	ASTM D5185m	2600	3246	2904	2727
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	4	6
Sodium	ppm	ASTM D5185m		<1	0	3
Potassium	ppm	ASTM D5185m	>20	7	6	13
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	1	0.8	1.2
Nitration	Abs/cm	*ASTM D7624	>20	14.8	13.3	16.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6	24.7	29.7
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.6	23.9	27.1
Base Number (BN)	mg KOH/g	ASTM D2896		7.0	5.9	5.8



OIL ANALYSIS REPORT







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

: PCA0105786 : 06001279 : 10729639 Test Package : MOB 1 (Additional Tests: TBN)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Nov 2023 Diagnosed

: 08 Nov 2023 : Wes Davis

Diagnostician

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 #114

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