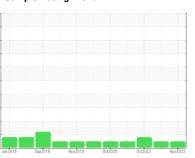


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



FREIGHTLINER 685328

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (40 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

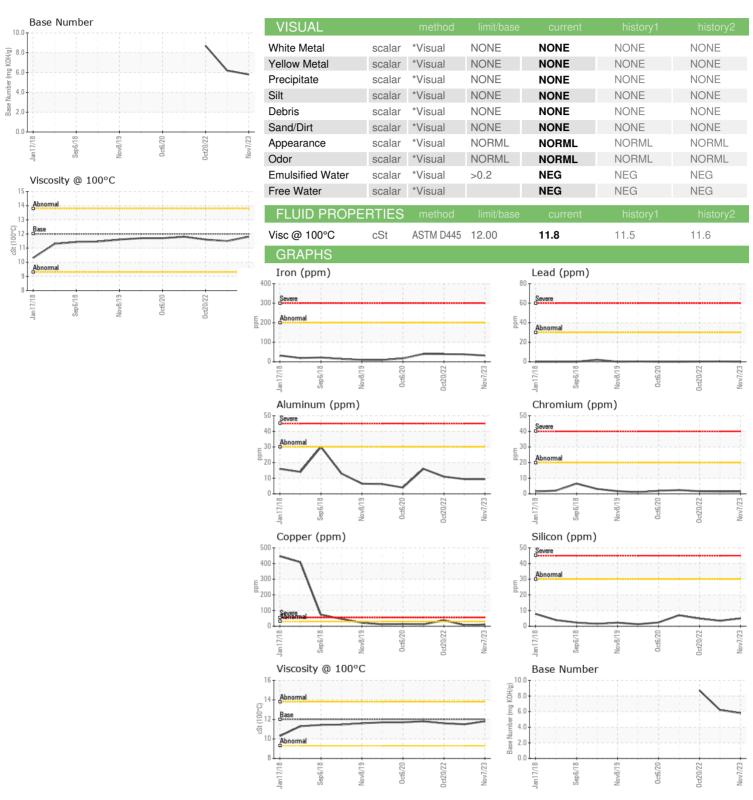
Fluid Condition

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

•		Jan2018	Sep2018 Nov2019	0ct2020 0ct2022	Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0105757	PCA0100905	PCA0055179
Sample Date		Client Info		07 Nov 2023	27 Jul 2023	20 Oct 2022
Machine Age	mls	Client Info		285328	225810	248864
Oil Age	mls	Client Info		0	0	12623
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATI	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 METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	32	38	39
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	2	<1	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>30	9	9	11
Lead	ppm	ASTM D5185m	>30	0	<1	<1
Copper	ppm	ASTM D5185m	>30	11	8	△ 37
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m				
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	2	4	6
Barium	ppm	ASTM D5185m	0	0	2	0
Molybdenum	ppm	ASTM D5185m	50	55	72	62
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	950	882	946	916
Calcium	ppm	ASTM D5185m	1050	1203	1199	1085
Phosphorus	ppm	ASTM D5185m	995	859	1012	974
Zinc	ppm	ASTM D5185m	1180	1131	1248	1163
Sulfur	ppm	ASTM D5185m	2600	2586	2864	3186
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	5	4	5
Sodium	ppm	ASTM D5185m		4	0	2
Potassium	ppm	ASTM D5185m	>20	6	16	8
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.2	1	0.6
Nitration	Abs/cm	*ASTM D7624	>20	10.1	10.2	9.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.2	22.3	21.1
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.3	18.0	16.7
Base Number (BN)	mg KOH/g	ASTM D2896		5.8	6.2	8.7
	39					



OIL ANALYSIS REPORT







Report Id: MILLOG [WUSCAR] 06001324 (Generated: 11/12/2023 15:16:18) Rev: 1

Laboratory Sample No. Lab Number

Unique Number

: 06001324 : 10729684

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Nov 2023 : PCA0105757 Diagnosed : 09 Nov 2023

: Wes Davis Diagnostician 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 #114

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