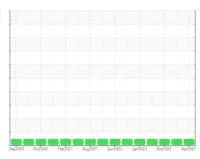


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 102049

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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)		Лау2020 Ос	2020 Feb2021 Aug20	21 Jun2022 Jan2023 Oct20	23 Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0116936	PCA0113581	PCA0105774
Sample Date		Client Info		13 Apr 2024	05 Jan 2024	23 Oct 2023
Machine Age	mls	Client Info		153258	141944	135160
Oil Age	mls	Client Info		10000	0	36660
Oil Changed		Client Info		Changed	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
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	29	14	25
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	<1	4
Lead	ppm	ASTM D5185m	>40	4	0	4
Copper	ppm	ASTM D5185m	>330	2	<1	2
Tin	ppm	ASTM D5185m	>15	0	0	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	2	5	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	50	71	72	66
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	950	1065	1141	963
Calcium	ppm	ASTM D5185m	1050	1324	1432	1290
Phosphorus	ppm	ASTM D5185m	995	1155	1235	1041
Zinc	ppm	ASTM D5185m	1180	1378	1564	1344
Sulfur	ppm	ASTM D5185m	2600	3296	4136	3485
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	3	5
Sodium	ppm	ASTM D5185m		3	2	1
Potassium	ppm	ASTM D5185m	>20	2	0	6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.2	0.8	1.1
Nitration	Abs/cm	*ASTM D7624	>20	13.5	10.4	11.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.8	19.9	22.2
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.6	17.6	19.4
Base Number (BN)	mg KOH/g	ASTM D2896		8.0	8.9	9.1



OIL ANALYSIS REPORT

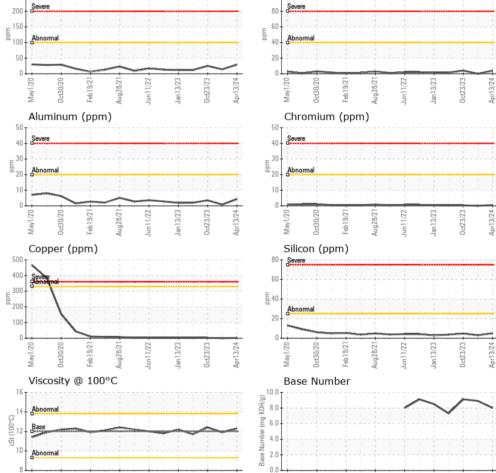


VISUAL		method				history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	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
ELLIID DRODE	DTIES	method	limit/haca	current	history1	hietory2

FLUID PROPER	RHES	method	limit/base		history1	history2
Visc @ 100°C	cSt	ASTM D445	12.00	12.3	11.9	12.4

100

Lead (ppm)







Certificate 12367

Laboratory

Sample No. Unique Number : 11021181

: PCA0116936 Lab Number : 06175128

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

: 10 May 2024 : 13 May 2024

Diagnosed : 13 May 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)

Report Id: MILLOG [WUSCAR] 06175128 (Generated: 05/13/2024 15:50:44) Rev: 1

Contact/Location: ED DAVIS - MILLOG

MILLER TRUCK LEASING #114

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