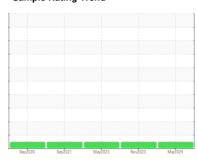


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 302143 Component

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.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

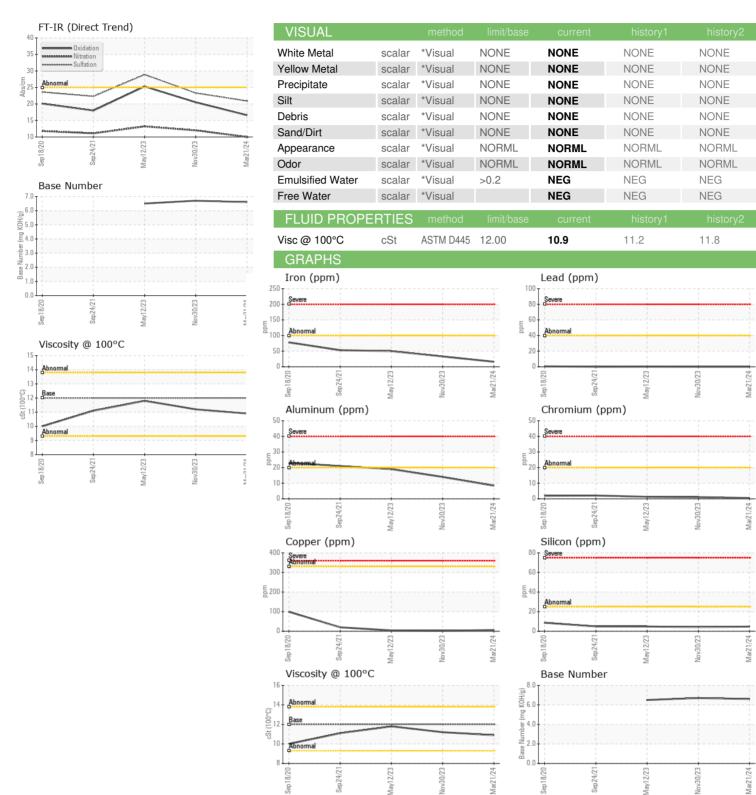
Fluid Condition

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

QTS)		Sep 2020	Sep2021	May2023 Nov2023	Mar2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110671	PCA0097366	PCA0083840
Sample Date		Client Info		21 Mar 2024	30 Nov 2023	12 May 2023
Machine Age	mls	Client Info		149266	136567	113189
Oil Age	mls	Client Info		12699	23378	42934
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	16	33	50
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>4	0	<1	<1
Titanium	ppm	ASTM D5185m		54	10	72
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	8	14	19
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	6	2	4
Tin	ppm	ASTM D5185m	>15	<1	2	2
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	57	4	19
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	50	19	59	26
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	950	544	995	547
Calcium	ppm	ASTM D5185m	1050	1670	1302	1709
Phosphorus	ppm	ASTM D5185m	995	1029	1137	1056
Zinc	ppm	ASTM D5185m	1180	1184	1304	1207
Sulfur	ppm	ASTM D5185m	2600	4344	3452	3779
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	4	5
Sodium	ppm	ASTM D5185m		2	2	0
Potassium	ppm	ASTM D5185m	>20	7	8	18
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.8	1.1
Nitration	Abs/cm	*ASTM D7624	>20	10.0	12.0	13.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	23.3	28.9
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	20.5	25.3
Base Number (BN)	mg KOH/g	ASTM D2896		6.6	6.7	6.5
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OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0110671

: 06140810 Unique Number : 10965618

Received : 08 Apr 2024 **Tested**

May12/23

: 08 Apr 2024 Diagnosed : 10 Apr 2024 - Sean Felton

Vov30/23

Test Package : MOB 1 (Additional Tests: TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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 #123

66 KELLER AVENUE LANCASTER, PA US 17601

Vov30/23

Contact: RON ROBERTS rroberts@millertransgroup.com T: (717)945-6205

F: (717)945-5818

May12/23