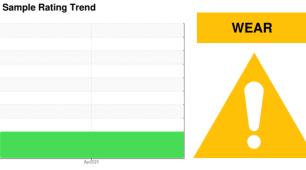


OIL ANALYSIS REPORT



Machine Id

1424180

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- G

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Aluminum ppm levels are abnormal. Piston wear is indicated.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

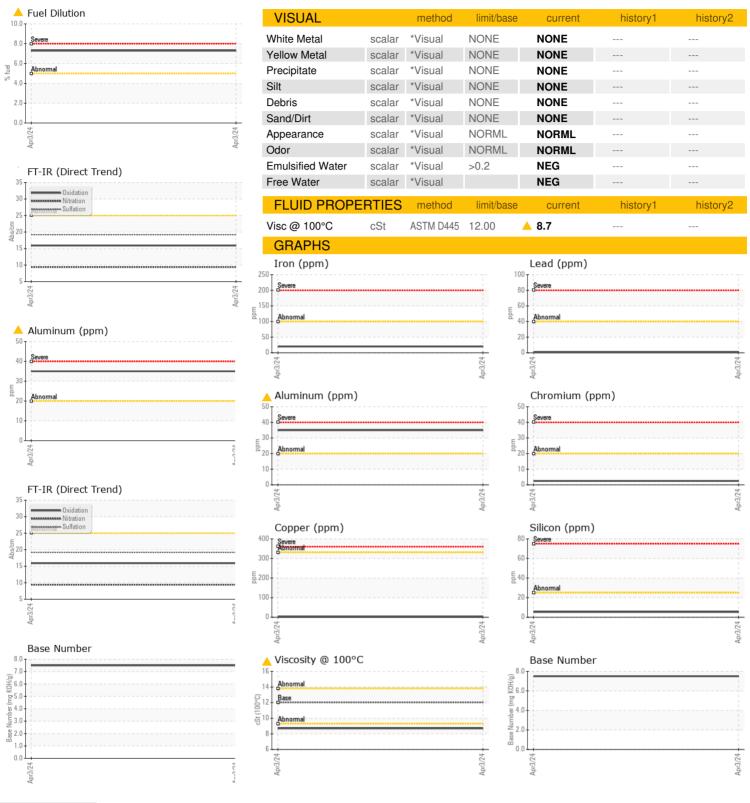
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

iAL)		<u>. </u>		Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0119263		
Sample Date		Client Info		03 Apr 2024		
Machine Age	mls	Client Info		294452		
Oil Age	mls	Client Info		12280		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20		
Chromium	ppm	ASTM D5185m	>20	2		
Vickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	7	0		
Silver		ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	▲ 35		
Lead		ASTM D5185m	>40	<u>_</u> 35 <1		
	ppm					
Copper	ppm	ASTM D5185m		2		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	2		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	73		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	920		
Calcium	ppm	ASTM D5185m	1050	1181		
Phosphorus	ppm	ASTM D5185m	995	1024		
Zinc	ppm	ASTM D5185m	1180	1192		
Sulfur	ppm	ASTM D5185m	2600	3231		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
Fuel	%	ASTM D3524	>5	7.3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624		9.4		
Sulfation	Abs/.1mm		>30	19.2		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		15.9		
			>20			
Base Number (BN)	mg KOH/g	ASTM D2896		7.5		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06188366 Unique Number : 11045118

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0119263

Received **Tested**

: 28 May 2024 Diagnosed : 28 May 2024 - Wes Davis

: 22 May 2024

Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, 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 #128

529 CEDAR LN FLORENCE, NJ US 08518

Contact: PETER SHEPARD pshepard@millertransgroup.com T: (609)499-3601