

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id

637913

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- G

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Cylinder, crank, or cam shaft wear is indicated.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

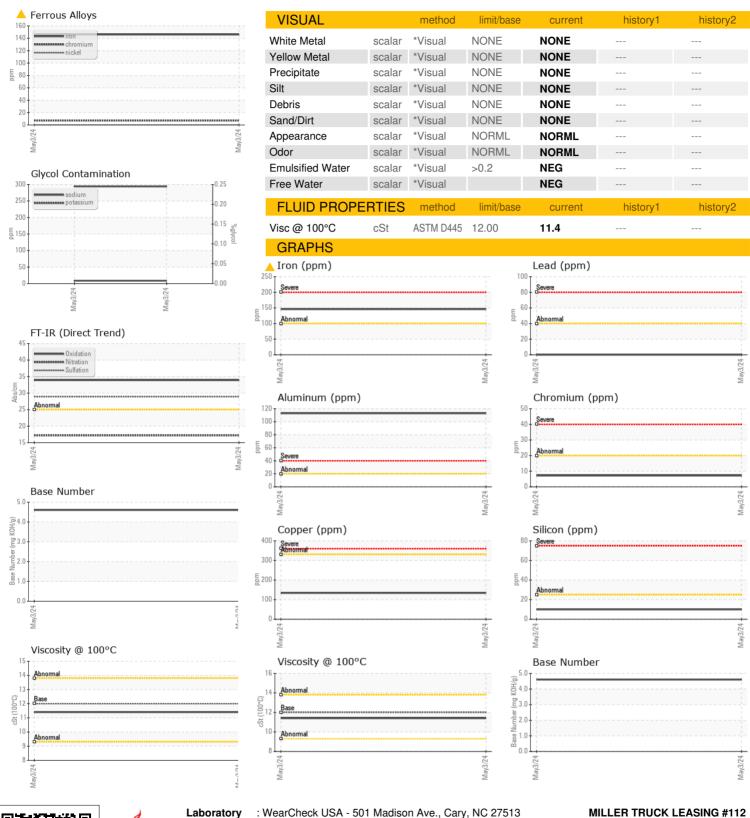
Fluid Condition

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

RTS)				May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	IVII (TIOI)	Client Info	minu bass	PCA0121710		
Sample Number						
Sample Date	la	Client Info		03 May 2024		
Machine Age	mls	Client Info		86146		
Oil Age	mls	Client Info		Ohammad		
Oil Changed		Cilent inio		Changed ABNORMAL		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	146		
Chromium	ppm	ASTM D5185m	>20	7		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	113		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	134		
Tin	ppm	ASTM D5185m	>15	7		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	16		
Barium	ppm	ASTM D5185m	0	2		
Molybdenum	ppm	ASTM D5185m	50	50		
Manganese	ppm	ASTM D5185m	0	7		
Magnesium	ppm	ASTM D5185m	950	621		
Calcium	ppm	ASTM D5185m	1050	1696		
Phosphorus	ppm	ASTM D5185m	995	804		
Zinc	ppm	ASTM D5185m	1180	958		
Sulfur	ppm	ASTM D5185m	2600	2065		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10		
Sodium	ppm	ASTM D5185m		8		
Potassium	ppm	ASTM D5185m	>20	294		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	2.3		
Nitration	Abs/cm	*ASTM D7624	>20	17.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.9		
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	33.9		
Base Number (BN)	mg KOH/g		- 20	4.6		
Dago (Marridor (DIN)	mg Noring	7.0 TW D2000		7.0		



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Certificate 12367

Laboratory Sample No.

Lab Number : 06178432

: PCA0121710 Unique Number : 11029758

Received : 14 May 2024 **Tested** Diagnosed

: 14 May 2024 : 16 May 2024 - Sean Felton

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.

MILLER TRUCK LEASING #112

1504 MAINLINE DR CINNAMINSON, NJ US 08077

Contact: MIKE BOYER mboyer@millertransgroup.com

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: MILPEN [WUSCAR] 06178432 (Generated: 05/16/2024 11:59:33) Rev: 1

Contact/Location: MIKE BOYER - MILPEN