

OIL ANALYSIS REPORT



NORMAL



Machine Id 633726

Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- Q

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

All component wear rates are normal.

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. No other contaminants were detected in the oil.

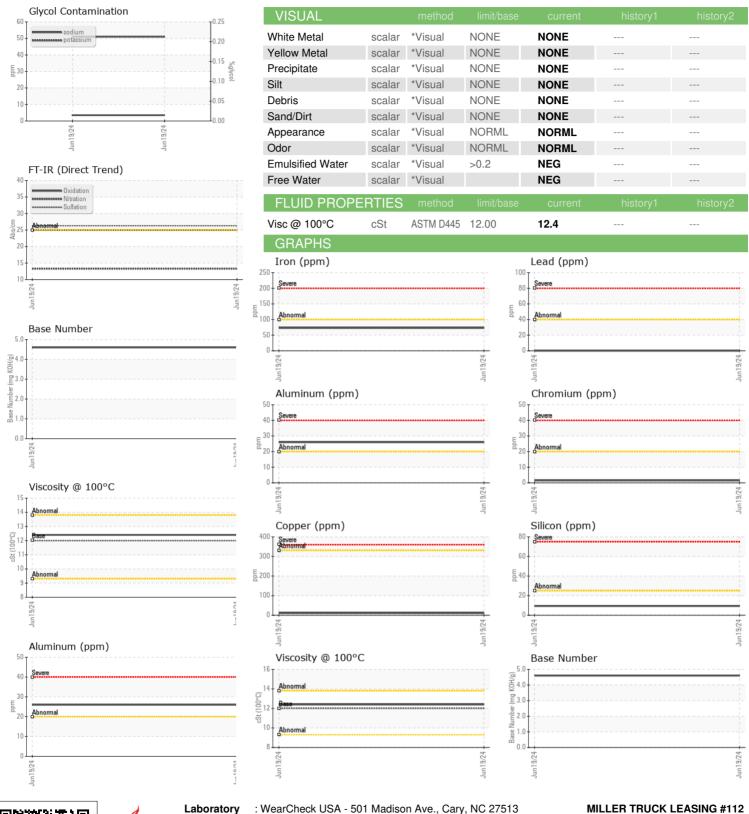
Fluid Condition

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

TS)				Jun2024		
•	4471011					
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0121750		
Sample Date		Client Info		19 Jun 2024		
Machine Age	mls	Client Info		49955		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	73		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	26		
_ead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	11		
Γin	ppm	ASTM D5185m	>15	<1		
√anadium	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	0		
Molybdenum	ppm	ASTM D5185m	50	65		
Manganese	ppm	ASTM D5185m	0	2		
Magnesium	ppm	ASTM D5185m	950	934		
Calcium	ppm	ASTM D5185m	1050	1223		
Phosphorus	ppm	ASTM D5185m	995	1088		
Zinc	ppm	ASTM D5185m	1180	1313		
Sulfur	ppm	ASTM D5185m	2600	3142		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	51		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.6		
Nitration	Abs/cm	*ASTM D7624	>20	13.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	25.0		
Base Number (BN)	mg KOH/g	ASTM D2896		4.6		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: PCA0121750 Lab Number : 06219370 Unique Number: 11097567

Received : 25 Jun 2024 **Tested** : 25 Jun 2024 Diagnosed : 26 Jun 2024 - Don Baldridge

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 #112

1504 MAINLINE DR CINNAMINSON, NJ US 08077

Contact: Rob Powell rpowell@millertransgroup.com

T: F: (856)663-4898

Contact/Location: Rob Powell - MILPEN