

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



BM-174 Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (10 C

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.

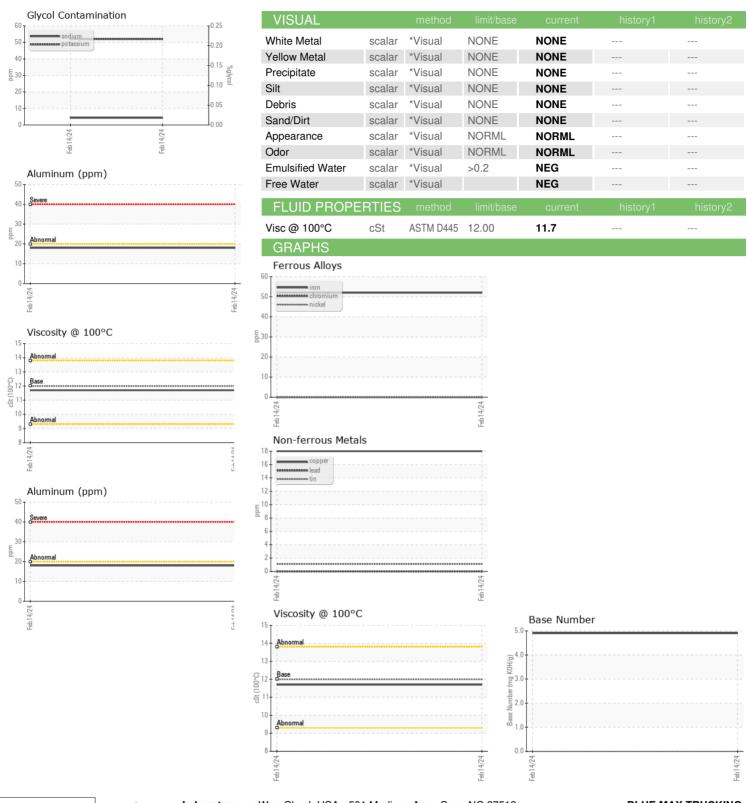
Fluid Condition

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

GAL)				Feb2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0114027		
Sample Date		Client Info		14 Feb 2024		
Machine Age	mls	Client Info		14404		
Oil Age	mls	Client Info		14404		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
•						
WEAR METAI	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	52		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	18		
_ead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	18		
Γin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	31		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	10		
Manganese	ppm	ASTM D5185m	0	2		
Magnesium	ppm	ASTM D5185m	950	814		
Calcium	ppm	ASTM D5185m	1050	1354		
Phosphorus	ppm	ASTM D5185m	995	814		
Zinc	ppm	ASTM D5185m	1180	930		
Sulfur	ppm	ASTM D5185m	2600	3009		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	23		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	52		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.2		
		ASTM D7414 ASTM D2896	>20			
Base Number (BN)	mg KOH/g	MOTIVI DZ090		4.9		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

: PCA0114027 Lab Number : 06097551

Unique Number : 10890404 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Feb 2024 : 23 Feb 2024 **Tested**

: 24 Feb 2024 - Don Baldridge Diagnosed

BLUE MAX TRUCKING 1015 E. WESTINGHOUSE BLVD.

CHARLOTTE, NC US 28273

Contact: Jody Greer

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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)

F: (704)588-2901

Report Id: BLUCHA [WUSCAR] 06097551 (Generated: 02/24/2024 13:41:02) Rev: 1