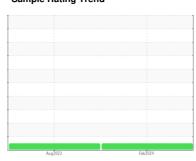


OIL ANALYSIS REPORT

Sample Rating Trend







BM-164

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- GAL)

DIAGNOSIS

Recommendation

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. There is no indication of any contamination in the oil

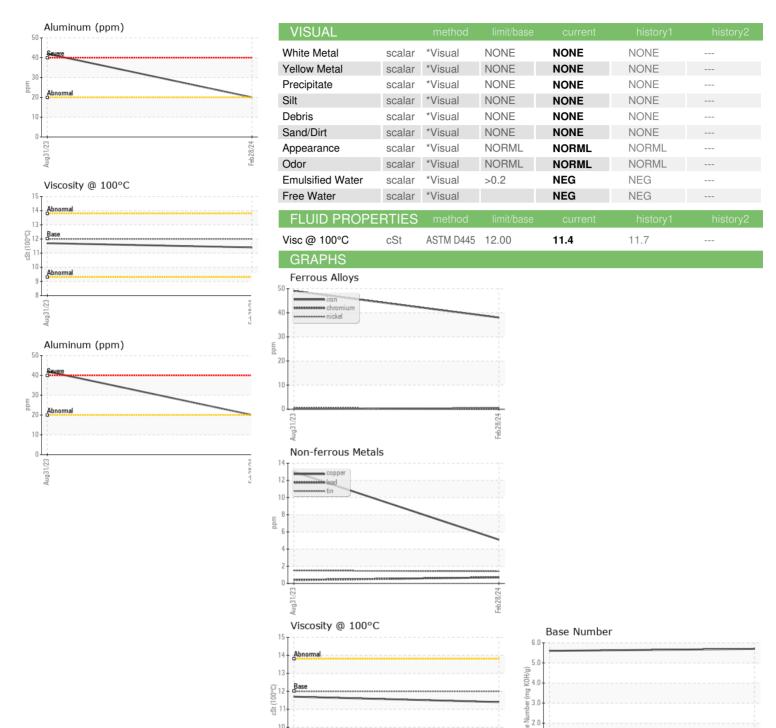
Fluid Condition

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

GAL)			Aug2023	Feb 2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110731	PCA0103167	
Sample Date		Client Info		28 Feb 2024	31 Aug 2023	
Machine Age	hrs	Client Info		2063	995	
Oil Age	hrs	Client Info		1068	995	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	38	49	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>3	<1	<1	
Aluminum	ppm	ASTM D5185m	>20	20	42	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	5	13	
Tin	ppm	ASTM D5185m	>15	1	2	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	5	15	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	60	18	
Manganese	ppm	ASTM D5185m	0	1	3	
Magnesium	ppm	ASTM D5185m	950	975	849	
Calcium	ppm	ASTM D5185m	1050	1176	1568	
Phosphorus	ppm	ASTM D5185m	995	1069	817	
Zinc	ppm	ASTM D5185m	1180	1315	984	
Sulfur	ppm	ASTM D5185m	2600	3396	3817	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	13	
Sodium	ppm	ASTM D5185m		2	5	
Potassium	ppm	ASTM D5185m	>20	57	127	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	11.0	10.6	
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5	23.4	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	18.5	
Base Number (BN)	mg KOH/g	ASTM D2896		5.7	5.6	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

Lab Number : 06129131 **Unique Number** : 10943282 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0110731 Received : 26 Mar 2024 : 27 Mar 2024

Tested Diagnosed

BLUE MAX TRUCKING 1015 E. WESTINGHOUSE BLVD.

CHARLOTTE, NC US 28273

Contact: Jody Greer

To discuss this sample report, contact Customer Service at 1-800-237-1369. jgreer@bluemaxtrucking.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (980)225-9968

0.0

: 27 Mar 2024 - Wes Davis

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

F: (704)588-2901