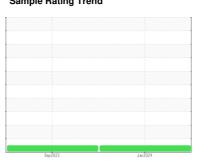


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



BM-232

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (10 G

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

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.

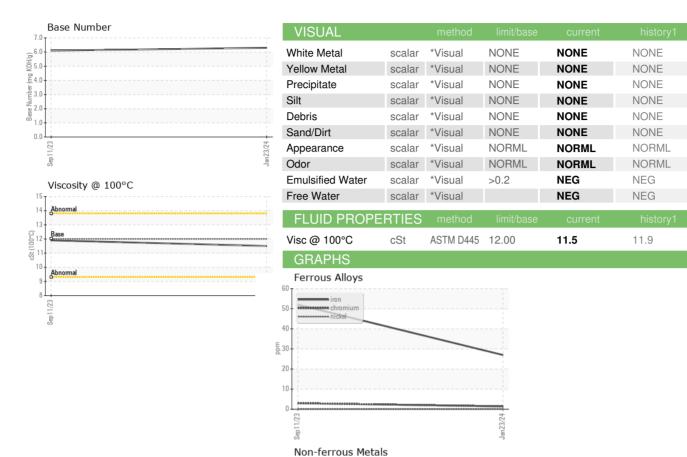
Fluid Condition

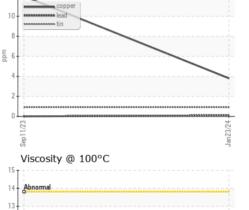
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

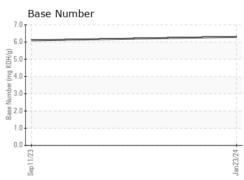
GAL)			Sep2023	Jan2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0114028	PCA0103137	
Sample Date		Client Info		23 Jan 2024	11 Sep 2023	
Machine Age	mls	Client Info		45872	22611	
Oil Age	mls	Client Info		23261	22611	
Oil Changed		Client Info		Changed	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	27	52	
Chromium	ppm	ASTM D5185m	>20	1	3	
Nickel	ppm	ASTM D5185m	>4	0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	<1	<1	
Aluminum	ppm	ASTM D5185m	>20	18	43	
Lead	ppm	ASTM D5185m	>40	<1	0	
Copper	ppm	ASTM D5185m	>330	4	12	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	1	18	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	50	54	14	
Manganese	ppm	ASTM D5185m	0	<1	2	
Magnesium	ppm	ASTM D5185m	950	1001	840	
Calcium	ppm	ASTM D5185m	1050	1135	1373	
Phosphorus	ppm	ASTM D5185m	995	1055	791	
Zinc	ppm	ASTM D5185m	1180	1217	954	
Sulfur	ppm	ASTM D5185m	2600	2878	3184	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9	19	
Sodium	ppm	ASTM D5185m		2	3	
Potassium	ppm	ASTM D5185m	>20	46	151	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	9.8	9.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.1	21.5	
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.9	17.3	
Base Number (BN)	mg KOH/g	ASTM D2896		6.3	6.1	



OIL ANALYSIS REPORT











Certificate L2367

Laboratory Sample No. Lab Number Unique Number Test Package : FLEET

: 06075382 : 10857473

To discuss this sample report, contact Customer Service at 1-800-237-1369.

1/23

cSt (100°C)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0114028 Recieved

Diagnosed Diagnostician

: 31 Jan 2024 : 01 Feb 2024 : Wes Davis

BLUE MAX TRUCKING 1015 E. WESTINGHOUSE BLVD. CHARLOTTE, NC

US 28273 Contact: Jody Greer

F: (704)588-2901

jgreer@bluemaxtrucking.com T: (980)225-9968

* - 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)

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Submitted By: Jody Greer