

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
BM-217

Component

Diesel Engine

PETRO CANADA DURON SHP 10W30 (10 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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.

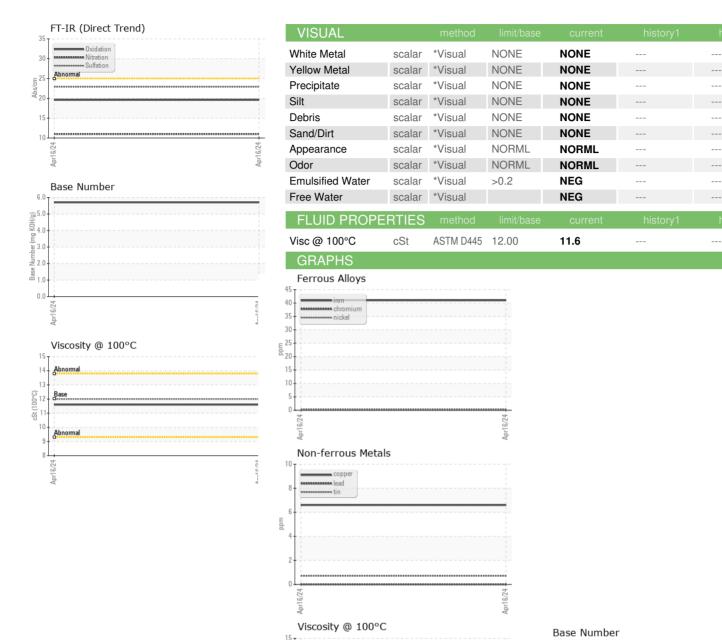
Fluid Condition

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

AL)				Apr2024		
SAMPLE INFOF	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0117788		
Sample Date		Client Info		16 Apr 2024		
Machine Age	mls	Client Info		42791		
Oil Age	mls	Client Info		26985		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
-uel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	41		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Γitanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	15		
_ead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	7		
Гin	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	2		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	60		
Manganese	ppm	ASTM D5185m	0	1		
Magnesium	ppm	ASTM D5185m	950	1011		
Calcium	ppm	ASTM D5185m	1050	1246		
Phosphorus	ppm	ASTM D5185m	995	1090		
Zinc	ppm	ASTM D5185m	1180	1322		
Sulfur	ppm	ASTM D5185m	2600	3231		
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	17		
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>20	<1 43		
	ppm	method				
INFRA-RED Soot %	%	*ASTM D7844	limit/base >3	current 0.4	history1	history2
Soot % Nitration	% Abs/cm	*ASTM D7624	>3	11.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9		
FLUID DEGRA	DATI <u>ON</u>	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.6		
Base Number (BN)	mg KOH/g	ASTM D2896	720	5.7		
Dago (Marrido (DIN)	my Normy	7.0 TW D2000		J.,		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06158831 Unique Number : 10994254 Test Package : FLEET

cSt (100°C)

: PCA0117788

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 : 25 Apr 2024 **Tested**

Diagnosed : 25 Apr 2024 - Wes Davis

K0H/g

0.0

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

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)