

# **OIL ANALYSIS REPORT**

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Sample Rating Trend

NORMAL



Machine Id BM-62

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 components first oil change.

### 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.

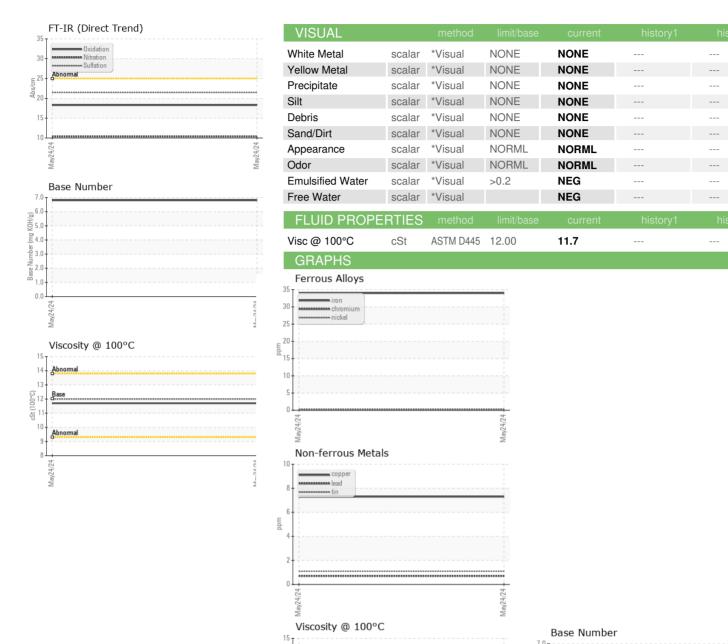
## **Fluid Condition**

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

iAL)			May/2024				
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		PCA0122197			
Sample Date		Client Info		24 May 2024			
Machine Age	mls	Client Info		34604			
Dil Age	mls	Client Info		34604			
Oil Changed		Client Info		Changed			
Sample Status				NORMAL			
CONTAMINAT	TION	method	limit/base	current	history1	history2	
- Tuel		WC Method	>5	<1.0			
Vater		WC Method	>0.2	NEG			
Slycol		WC Method	70.L	NEG			
•	0		11 12 11				
WEAR METAL	_S	method	limit/base	current	history1	history2	
ron	ppm	ASTM D5185m	>100	34			
Chromium	ppm	ASTM D5185m	>20	<1			
lickel	ppm	ASTM D5185m	>4	0			
itanium	ppm	ASTM D5185m		0			
Silver	ppm	ASTM D5185m	>3	<1			
lluminum	ppm	ASTM D5185m	>20	15			
ead	ppm	ASTM D5185m	>40	<1			
Copper	ppm	ASTM D5185m	>330	7			
ïn	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	4			
Barium	ppm	ASTM D5185m	0	0			
Nolybdenum	ppm	ASTM D5185m	50	54			
Manganese	ppm	ASTM D5185m	0	1			
/lagnesium	ppm	ASTM D5185m	950	935			
Calcium	ppm	ASTM D5185m	1050	1119			
hosphorus	ppm	ASTM D5185m	995	1011			
Zinc	ppm	ASTM D5185m	1180	1239			
Sulfur	ppm	ASTM D5185m	2600	3256			
CONTAMINAN	NTS	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	9			
Sodium	ppm	ASTM D5185m		2			
Potassium	ppm	ASTM D5185m	>20	46			
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	0.4			
litration	Abs/cm	*ASTM D7624	>20	10.4			
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5			
FLUID DEGRA	DATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3			
Base Number (BN)	mg KOH/g	ASTM D2896		6.8			



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number : 06193775 Unique Number : 11055898

: PCA0122197

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

cSt (100°C)

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 29 May 2024

: 30 May 2024 Tested Diagnosed

: 30 May 2024 - Wes Davis

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**BLUE MAX TRUCKING** 

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 $^st$  - 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)