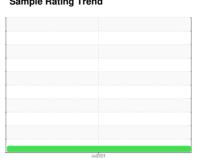


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



T338 **Diesel Engine**

Machine Id

PETRO CANADA DURON SHP 10W30 (--- G

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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.

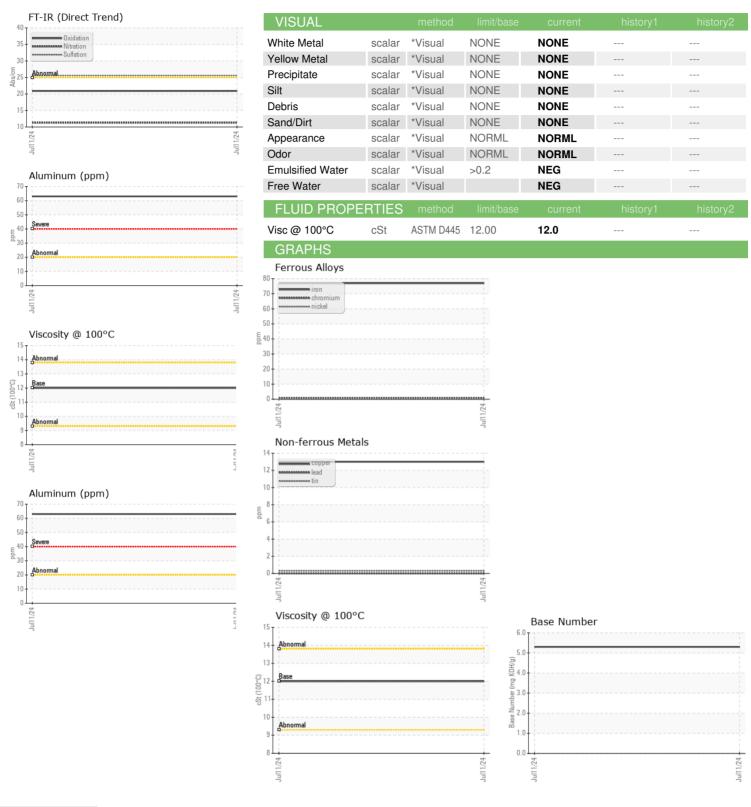
Fluid Condition

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

AL)			Jui2024			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0116169		
Sample Date		Client Info		11 Jul 2024		
Machine Age	mls	Client Info		32736		
Oil Age	mls	Client Info		0		
Oil Changed	11110	Client Info		Changed		
Sample Status		Oliotic itilio		NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel	ION	WC Method	>5	<1.0		
-uei Vater		WC Method	>0.2	<1.0 NEG		
			>0.2	-		
Glycol		WC Method		NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	77		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	63		
ead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	13		
⁻in	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	13		
Barium	ppm	ASTM D5185m	0	2		
Molybdenum	ppm	ASTM D5185m	50	19		
Manganese	ppm	ASTM D5185m	0	2		
Magnesium	ppm	ASTM D5185m	950	780		
Calcium	ppm	ASTM D5185m	1050	1375		
Phosphorus	ppm	ASTM D5185m	995	798		
Zinc	ppm	ASTM D5185m	1180	886		
Sulfur	ppm	ASTM D5185m	2600	3251		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	188		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	11.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.6		
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.9		
Base Number (BN)	mg KOH/g	ASTM D2896		5.3		
(DIV)				0.0		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06235495 Unique Number : 11124329

: PCA0116169 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 **Tested**

: 15 Jul 2024 Diagnosed : 15 Jul 2024 - Wes Davis

US 29210 Contact: GEORGE EDWARDS gedwards@nwwhite.com

100 INDEPENDENCE BLVD

NW WHITE & CO - COLUMBIA DIVISION

Contact/Location: GEORGE EDWARDS - NWWCOL

* - 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)

T:

F:

COLUMBIA, SC