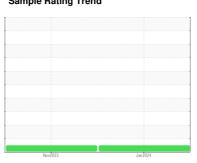


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2227114**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- 0

DIAGNOSIS

Recommendation

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

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

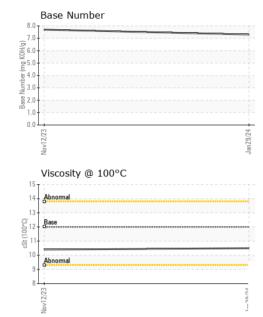
Fluid Condition

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

SAMPLE INFORMATION method	QTS)						
Sample Number	SAMPLE INFORI	MATION	method			history1	history2
Sample Date							
Machine Age mls Client Info 610000 41690							
Oil Age mls Client Info 20000 41690	•	mls					
Oil Changed Sample Status Client Info N/A Changed NORMAL CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5.5 <1.0							
CONTAMINATION	•		Client Info			Changed	
Fuel WC Method >5	-				NORMAL	NORMAL	
Water WC Method >0.2 NEG NEG Glycol WC Method NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 20 22 Chromium ppm ASTM D5185m >20 <1 <1 Nickel ppm ASTM D5185m >4 <1 Silver ppm ASTM D5185m >4 <1 Silver ppm ASTM D5185m >40 <1 4 Silver ppm ASTM D5185m >20 8 15 Lead ppm ASTM D5185m >40 <1 4 Copper ppm ASTM D5185m >15 2 1 Vanadium ppm ASTM D5185m 0 <1 0 <1 Vandium	CONTAMINAT	ION	method	limit/base	current	history1	history2
WEAR METALS	Fuel		WC Method	>5	<1.0	<1.0	
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 20 22	Water		WC Method	>0.2	NEG	NEG	
Iron	Glycol		WC Method		NEG	NEG	
Chromium ppm ASTM D5185m >20 <1 <1 Nickel ppm ASTM D5185m >4 5 3 Titanium ppm ASTM D5185m >4 5 3 Sliver ppm ASTM D5185m >20 8 15 Aluminum ppm ASTM D5185m >20 8 15 Aluminum ppm ASTM D5185m >20 8 15 Lead ppm ASTM D5185m >40 <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	20	22	
Titanium	Chromium	ppm	ASTM D5185m	>20	<1	<1	
Silver	Nickel	ppm	ASTM D5185m	>4	5	3	
Aluminum ppm ASTM D5185m >20 8 15 Lead ppm ASTM D5185m >40 <1	Titanium	ppm	ASTM D5185m		4	<1	
Lead ppm ASTM D5185m >40 <1 4 Copper ppm ASTM D5185m >330 438 585 Tin ppm ASTM D5185m >15 2 1 Vanadium ppm ASTM D5185m 0 <1	Silver	ppm	ASTM D5185m	>3	3	5	
Copper ppm ASTM D5185m >330 438 585 Tin ppm ASTM D5185m >15 2 1 Vanadium ppm ASTM D5185m 0 <1	Aluminum	ppm	ASTM D5185m	>20	8	15	
Tin	Lead	ppm	ASTM D5185m	>40	<1	4	
Vanadium ppm ASTM D5185m 0 <1 Cadmium ppm ASTM D5185m <1 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 2 4 11 Barium ppm ASTM D5185m 0 13 0 Molybdenum ppm ASTM D5185m 50 60 64 Manganese ppm ASTM D5185m 50 60 64 Magnesium ppm ASTM D5185m 950 875 828 Calcium ppm ASTM D5185m 995 985 884 Phosphorus ppm ASTM D5185m 995 985 884 Sulfur ppm ASTM D5185m 2600 3011 2323 CONTAMINANTS method limit/base current history1		ppm	ASTM D5185m				
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ADDITIVES					_		
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Nitration Abs/cm *ASTM D7624 >20 8.1 8.3 Sulfation Abs/.1mm *ASTM D7415 >30 19.2 19.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 16.3	INFRA-RED		method	limit/base	current	history1	history2
Nitration Abs/cm *ASTM D7624 >20 8.1 8.3 Sulfation Abs/.1mm *ASTM D7415 >30 19.2 19.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 16.3	Soot %	%	*ASTM D7844	>3	0.2	0.2	
Sulfation Abs/.1mm *ASTM D7415 >30 19.2 19.8 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 15.3 16.3							
Oxidation Abs/.1mm *ASTM D7414 >25 15.3 16.3							
	FLUID DEGRA	OATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3	16.3	



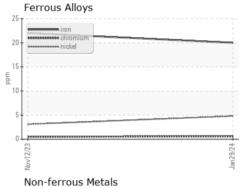
OIL ANALYSIS REPORT

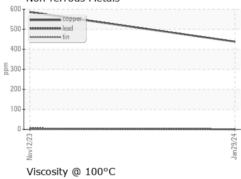


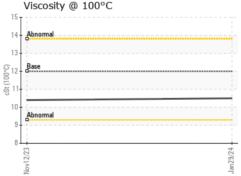
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	

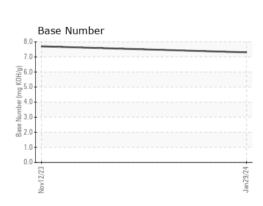
FLUI	D PROPE	RIIES	method			HISTORY	nistoryz
Visc @	100°C	cSt	ASTM D445	12.00	10.5	10.4	

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number : 06085725 Unique Number : 10873170

: PCA0114815 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 12 Feb 2024 : 12 Feb 2024

: 12 Feb 2024 - Wes Davis

PERDUE FARMS - SALISBURY

7036 ZION CHURCH ROAD SALISBURY, MD

US 21802 Contact: RICHARD O'NEAL richard.oneal@perdue.com

T: (410)543-3628

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)

Contact/Location: RICHARD O'NEAL - PERSALMD

F: (410)341-2164