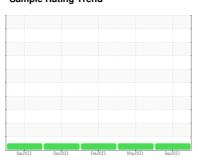


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2126946**

Component **Diesel Engine**

PETRO CANADA DURON SHP 10W30 (--- QTS)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

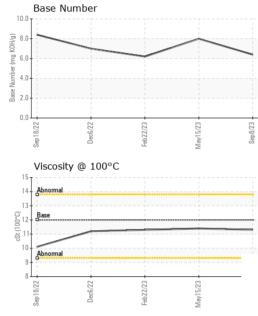
Fluid Condition

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 limit/base current history1 history2	QTS)		Sep2022	Dec2022	Feb 2023 May 2023	Sep 2023				
Sample Date Client Info 08 Sep 2023 15 May 2023 22 Feb 2023 Machine Age mis Client Info 103426 83578 62801	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2			
Machine Age mls Client Info 103426 83578 62801 Oil Age mls Client Info 40625 20777 42628 Oil Changed Client Info Changed Not Changed Not Changed Sample Status method Imitibase current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method NEG NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 25 13 26 Chromium ppm ASTM D5185m >20 <1 <1 0 Nickel ppm ASTM D5185m >20 <1 <1 8 Silver ppm ASTM D5185m >20 4 2 6 Lead p	Sample Number		Client Info		PCA0103362	PCA0099327	PCA0092840			
Oil Age mls Client Info 40625 20777 42628 Oil Changed Sample Status Client Info Changed Not Changed Not Changed Not Changed North Ch	Sample Date		Client Info		08 Sep 2023	15 May 2023	22 Feb 2023			
Client Info Changed NoRMAL NORMAL NORMAL NORMAL	Machine Age	mls	Client Info		103426	83578	62801			
Sample Status	Oil Age	mls	Client Info		40625	20777	42628			
CONTAMINATION method limit/base current history1 history2 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NEG Glycol WC Method Imit base NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 25 13 26 Chromium ppm ASTM D5185m >20 <1 <1 0 Nickel ppm ASTM D5185m >4 <1 <1 0 Silver ppm ASTM D5185m >3 0 <1 0 Lead ppm ASTM D5185m >30 54 50 140 Tin ppm ASTM D5185m >330 54 50 140 Tin ppm ASTM D5185m >330 54 50 140	Oil Changed		Client Info		Changed	Not Changd	Changed			
Fuel	Sample Status				NORMAL	NORMAL	NORMAL			
Water WC Method >0.2 NEG NEG NEG Glycol WC Method Ilimit/base current history1 history2 WEAR METALS method llimit/base current history1 history2 Iron ppm ASTM D5185m >100 25 13 26 Chromium ppm ASTM D5185m >20 <1 <1 0 Nickel ppm ASTM D5185m >4 <1 <1 0 Silver ppm ASTM D5185m >20 4 2 6 Lead ppm ASTM D5185m >40 2 <1 3 Copper ppm ASTM D5185m >15 2 <1 2 Vanadium ppm ASTM D5185m >15 2 <1 2 Vanadium ppm ASTM D5185m >1 0 0 0 Cadmium ppm ASTM D5185m 0 0 0	CONTAMINATION	NC	method	limit/base	current	history1	history2			
WEAR METALS	Fuel		WC Method	>5	<1.0	<1.0	<1.0			
WEAR METALS	Water		WC Method	>0.2	NEG	NEG	NEG			
Iron	Glycol		WC Method		NEG	NEG	NEG			
Chromium ppm ASTM D5185m >20 <1	WEAR METALS	;	method	limit/base	current	history1	history2			
Nickel	Iron	ppm	ASTM D5185m	>100	25	13	26			
Titanium ppm ASTM D5185m 2 1 8 Silver ppm ASTM D5185m >3 0 <1 0 Aluminum ppm ASTM D5185m >20 4 2 6 Lead ppm ASTM D5185m >40 2 <1 3 Copper ppm ASTM D5185m >330 54 50 140 Tin ppm ASTM D5185m >15 2 <1 2 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Barium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Barium ppm ASTM D5185m 0 0 0 0 0	Chromium	ppm	ASTM D5185m	>20	<1	<1	0			
Stilver	Nickel	ppm	ASTM D5185m	>4	<1	<1				
Aluminum		ppm	ASTM D5185m		2	1				
Lead ppm ASTM D5185m >40 2 <1										
Copper ppm ASTM D5185m >330 54 50 140 Tin ppm ASTM D5185m >15 2 <1 2 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m <1 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 50 60 63 56 6 63 56 Manganese ppm ASTM D5185m 950 895 985 868 868 Calcium ppm ASTM D5185m 995 863 1063 847 Zinc ppm ASTM D5185m 1180 1215 1319 1207 Sulfur <td></td> <td>ppm</td> <td></td> <td></td> <th></th> <td></td> <td></td>		ppm								
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Vanadium ppm ASTM D5185m 0 0 0 Cadmium ppm ASTM D5185m <1										
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Boron		ppm								
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Sulfation Abs/.1mm *ASTM D7415 >30 21.9 20.2 22.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 18.1 15.7 19.0	Soot %	%	*ASTM D7844	>3	0.5		0.5			
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Oxidation Abs/.1mm *ASTM D7414 >25 18.1 15.7 19.0	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	20.2				
	FLUID DEGRADATION method limit/base current history1 history2									
	Oxidation	Abs/.1mm	*ASTM D7414	>25	18.1	15.7	19.0			



OIL ANALYSIS REPORT

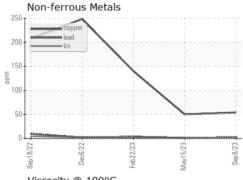


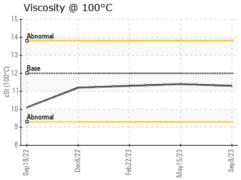
NONE NONE
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NORML
NORML
NEG
NEG

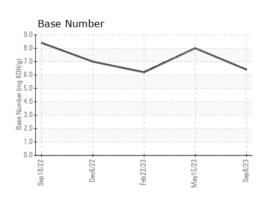
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	12.00	11.3	11.4	11.3

GRAPHS

Ferrous Alloys











Certificate L2367

Report Id: PERGEODE [WUSCAR] 06031150 (Generated: 12/13/2023 02:37:22) Rev: 1

Laboratory

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

: PCA0103362 : 06031150 : 10780941

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Dec 2023 Diagnosed : 12 Dec 2023

Diagnostician : Wes Davis

PERDUE FARMS - GEORGETOWN

20621 SAVANAH RD GEORGETOWN, DE

US 19947

Contact: ROBERT LOCKWOOD Robert.Lockwood@Perdue.com

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)

T:

F: