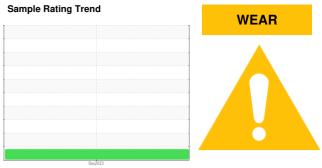


OIL ANALYSIS REPORT

(65633Z) Walgreens - Tractor [Walgreens - Tractor] 136A624093

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 0



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other 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.

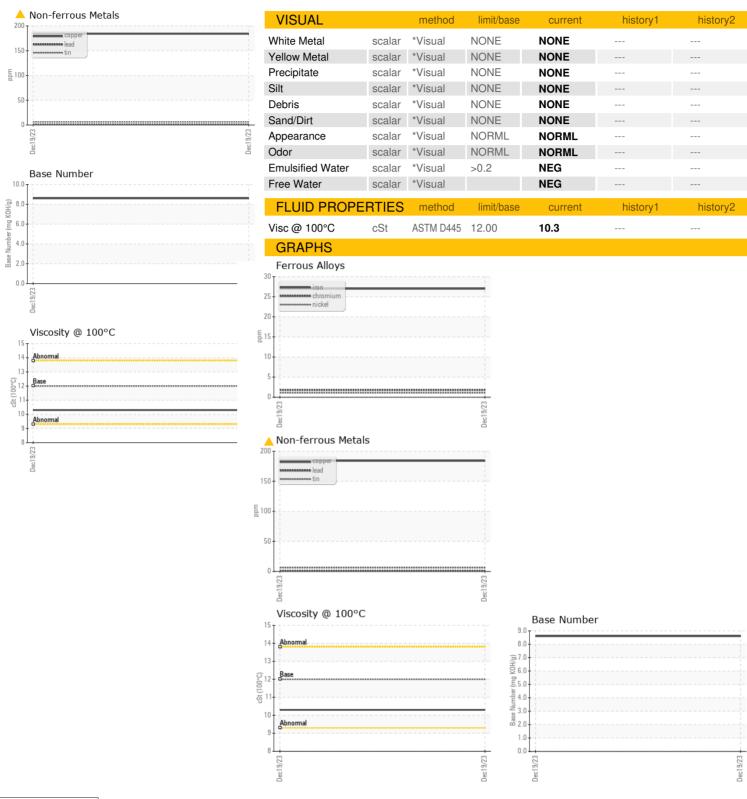
Fluid Condition

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

Sample Number Client Info PCA0093926	iAL)				Dec2023		
Sample Date Client Info 19 Dec 2023 Machine Age mls Client Info 25574 Oil Age mls Client Info 25574 Oil Changed Client Info Not Changd Oil Changed Client Info Not Changd Oil Changed Client Info Not Changd CONTAMINATION method Imit/base current history1 history1 Fuel WC Method >0.2 NEG Water WC Method >0.2 NEG Gliycol WC Method NEG WEAR METALS method Imit/base current history1 history1 Iron ppm ASTM D5185m >80 27 Chromium ppm ASTM D5185m >5 2 Nickel ppm ASTM D5185m >5 2 Silver ppm ASTM D5185m >30 16 Silver ppm ASTM D5185m >30 16 Copper ppm ASTM D5185m >30 16 Tin ppm ASTM D5185m >10 184 Cadmium ppm ASTM D5185m >5 6 ADDITIVES method Imit/base current history1 history1 ADDITIVES	SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Machine Age mls	Sample Number		Client Info		PCA0093926		
Oil Age	Sample Date		Client Info		19 Dec 2023		
Dil Changed Cilient Info Not Changed ABNORMAL	Machine Age	mls	Client Info		25574		
CONTAMINATION method limit/base current history1 history	Oil Age	mls	Client Info		25574		
CONTAMINATION	Oil Changed		Client Info		Not Changd		
Fuel	Sample Status				ABNORMAL		
Water WC Method So.2 NEG	CONTAMINATIO	N	method	limit/base	current	history1	history2
WEAR METALS	Fuel		WC Method	>5	<1.0		
WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >80 27 Chromium ppm ASTM D5185m >5 2 Nickel ppm ASTM D5185m >2 1 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >30 16 Lead ppm ASTM D5185m >30 1 Lead ppm ASTM D5185m >30 1 Lead ppm ASTM D5185m >30 1 Copper ppm ASTM D5185m >5 6 Caddium ppm ASTM D5185m 0 1 Barium ppm ASTM D5185m 2 42	Water		WC Method	>0.2	NEG		
Part	Glycol		WC Method		NEG		
Chromium ppm ASTM D5185m >5 2	WEAR METALS		method	limit/base	current	history1	history2
Silver	ron	ppm	ASTM D5185m	>80	27		
Description	Chromium	ppm	ASTM D5185m	>5	2		
Aluminum	Vickel	ppm	ASTM D5185m	>2	1		
Aluminum	Titanium	ppm	ASTM D5185m		0		
Lead ppm ASTM D5185m >30 1 Copper ppm ASTM D5185m >150 184 Vanadium ppm ASTM D5185m >5 6 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history ADDITIVES method limit/base current history1 history Boron ppm ASTM D5185m 0 3	Silver	ppm		>3	-		
Description Description	Aluminum	ppm		>30	-		
Tin							
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Barium		ppm			0		
Barium	ADDITIVES		method	limit/base		history1	history2
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Sodium		S				history1	history2
Potassium ppm ASTM D5185m >20 51 INFRA-RED method limit/base current history1 history Soot %				>20			
INFRA-RED				00			
Soot % % *ASTM D7844 >3 0.3 Nitration Abs/cm *ASTM D7624 >20 8.6 Sulfation Abs/.1mm *ASTM D7415 >30 22.9 FLUID DEGRADATION method limit/base current history1 history1 Oxidation Abs/.1mm *ASTM D7414 >25 22.7		ppm			51		
Nitration Abs/cm *ASTM D7624 >20 8.6 Sulfation Abs/.1mm *ASTM D7415 >30 22.9 FLUID DEGRADATION method limit/base current history1 history Oxidation Abs/.1mm *ASTM D7414 >25 22.7	INFRA-RED			limit/base		history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 22.9 FLUID DEGRADATION method limit/base current history1 history Oxidation Abs/.1mm *ASTM D7414 >25 22.7							
FLUID DEGRADATION method limit/base current history1 history Oxidation Abs/.1mm *ASTM D7414 >25 22.7		Abs/cm		>20			
Oxidation			*ASTM D7415	>30	22.9		
	FLUID DEGRADA	NOITA		limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 8.6	Oxidation /	Abs/.1mm	*ASTM D7414	>25	22.7		
	Base Number (BN)	mg KOH/g	ASTM D2896		8.6		



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number **Unique Number**

: 06046739 : 10807347 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 28 Dec 2023 : PCA0093926 Recieved : 29 Dec 2023 Diagnosed

: Sean Felton Diagnostician

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)

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