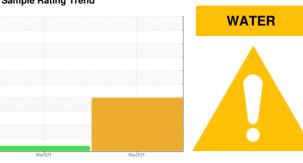


OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id HEX244696 Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

The copper level is abnormal. Moderate concentration of visible metal present. All other component wear rates are normal.

Contamination

There is a light concentration of water present in the

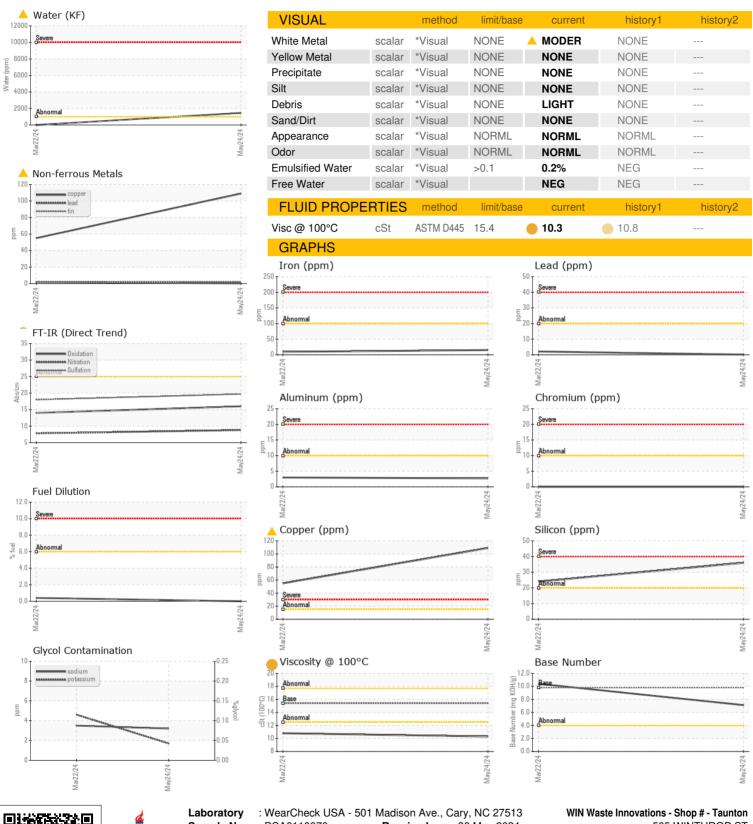
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

·	- GAL)					
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0110076	PCA0090482	
Sample Date		Client Info		24 May 2024	22 Mar 2024	
Machine Age	hrs	Client Info		575	147	
Oil Age	hrs	Client Info		575	147	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ATTENTION	
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	15	9	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	0	1	
Γitanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	3	3	
_ead	ppm	ASTM D5185m	>20	<1	2	
Copper	ppm	ASTM D5185m	>15	109	55	
Γin	ppm	ASTM D5185m	>10	2	2	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	23	68	
Barium	ppm	ASTM D5185m	0	<1	0	
Molybdenum	ppm	ASTM D5185m	60	85	81	
Manganese	ppm	ASTM D5185m	0	3	3	
Magnesium	ppm	ASTM D5185m	1010	15	14	
Calcium	ppm	ASTM D5185m	1070	2226	2157	
Phosphorus	ppm	ASTM D5185m	1150	1014	1025	
Zinc	ppm	ASTM D5185m	1270	1240	1154	
Sulfur	ppm	ASTM D5185m	2060	3867	4520	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	36	24	
Sodium	ppm	ASTM D5185m		3	4	
Potassium	ppm	ASTM D5185m	>20	2	5	
-uel	%	ASTM D3524	>6.0	<1.0	0.4	
Nater	%	ASTM D6304	>0.1	△ 0.146		
opm Water	ppm	ASTM D6304	>1000	<u>▲</u> 1460		
Glycol	%	*ASTM D2982		NEG	NEG	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0	
Nitration	Abs/cm	*ASTM D7624		8.8	7.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	18.0	
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	14.0	
		ASTM D2896			10.39	



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

: PCA0110076 Lab Number : 06195625 Unique Number : 11057748

Received : 30 May 2024 **Tested**

Diagnosed

: 04 Jun 2024 : 04 Jun 2024 - Jonathan Hester Test Package : MOB 2 (Additional Tests: FuelDilution, Glycol, KF, PercentFuel)

565 WINTHROP ST TAUNTON, MA US 02780 Contact: Dave Wilson

dwilson1@win-waste.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)

Report Id: WINTAU [WUSCAR] 06195625 (Generated: 06/04/2024 09:07:21) Rev: 1

Submitted By: MATT MANOLI

T:

F: