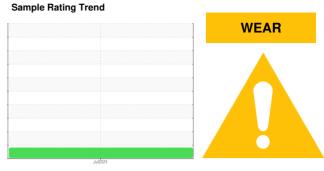


OIL ANALYSIS REPORT

(72554Z) Walgreens - Tractor [Walgreens - Tractor] 136A624020

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 0



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. 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. No other contaminants were detected in the oil.

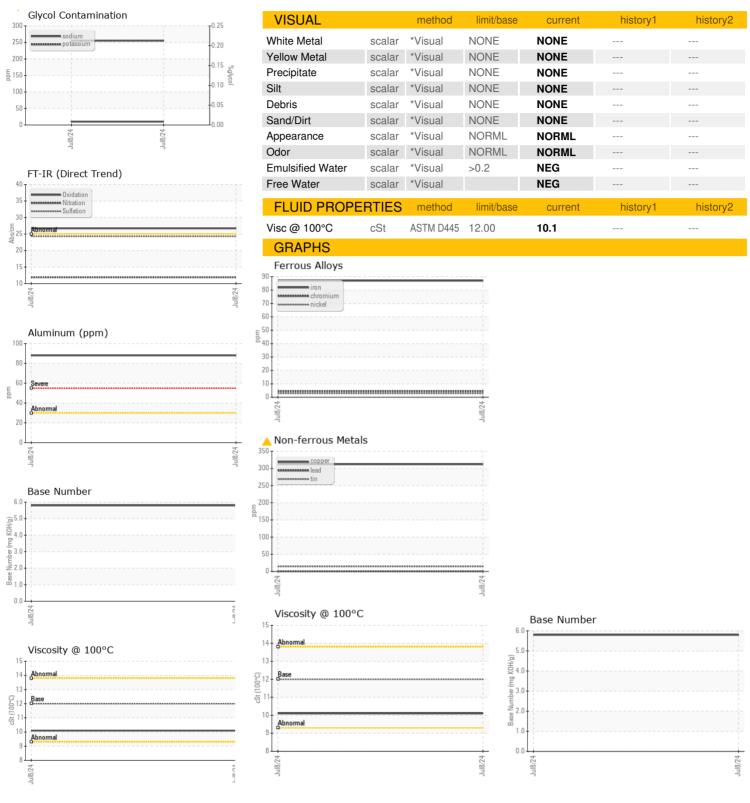
Fluid Condition

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

iAL)				Jul2024		
,	NANTION	method	1111-11		International	la la la ma O
SAMPLE INFOR	MATION		limit/base	current	history1	history2
Sample Number		Client Info		PCA0128233		
Sample Date		Client Info		08 Jul 2024		
Machine Age	mls	Client Info		67165		
Oil Age	mls	Client Info		67165		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
-uel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>80	87		
Chromium	ppm	ASTM D5185m	>5	4		
Nickel	ppm	ASTM D5185m	>2	3		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>30	88		
ead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>150	<u> 312</u>		
in	ppm	ASTM D5185m	>5	14		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	22		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	46		
Manganese	ppm	ASTM D5185m	0	8		
/lagnesium	ppm	ASTM D5185m	950	580		
Calcium	ppm	ASTM D5185m	1050	1722		
Phosphorus	ppm	ASTM D5185m	995	795		
Zinc .	ppm	ASTM D5185m	1180	934		
Sulfur	ppm	ASTM D5185m	2600	2132		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	11		
Sodium	ppm	ASTM D5185m		10		
Potassium	ppm	ASTM D5185m	>20	255		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9		
Nitration	Abs/cm	*ASTM D7624		11.9		
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.3		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.7		
Base Number (BN)	mg KOH/g	ASTM D2896	/LU	5.8		
Jase Hullinel (DIN)	ing NOD/g	70 LINI DZ030		5.0		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number : 06235354 Unique Number : 11124188

: PCA0128233

Test Package : FLEET

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

: 15 Jul 2024 Tested Diagnosed

: 15 Jul 2024 - Don Baldridge

Transervice - Shop 1373 - Berkeley-Anderson/Pendergrass 101 Alliance Parkway Willamston, SC

US 29697 Contact: Sonny Boucher sboucher@transervice.com T: (864)226-2304

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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) F: (864)226-2329

Submitted By: Sonny Boucher