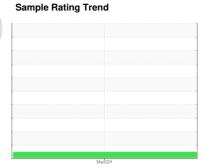


OIL ANALYSIS REPORT

(65355Z) Walgreens - Tractor [Walgreens - Tractor] 136A624156

Diesel Engine

PETRO CANADA DURON SHP 10W30 (11 G





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

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.

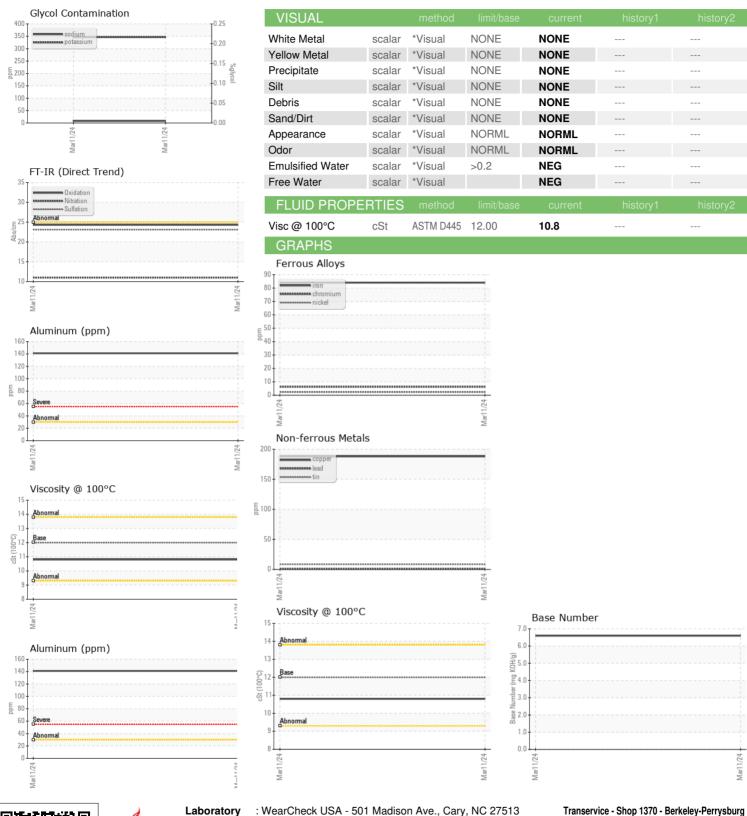
Fluid Condition

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.

GAL)				Mar2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0119377		
Sample Date		Client Info		11 Mar 2024		
Machine Age	mls	Client Info		42872		
Oil Age	mls	Client Info		42872		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAI	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>80	84		
Chromium	ppm	ASTM D5185m	>5	6		
Nickel	ppm	ASTM D5185m	>2	2		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>30	141		
Lead	ppm	ASTM D5185m	>30	<1		
Copper	ppm	ASTM D5185m	>150	188		
Tin	ppm	ASTM D5185m	>5	9		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	33		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	39		
Manganese	ppm	ASTM D5185m	0	5		
Magnesium	ppm	ASTM D5185m	950	583		
Calcium	ppm	ASTM D5185m	1050	1660		
Phosphorus	ppm	ASTM D5185m	995	777		
Zinc	ppm	ASTM D5185m	1180	904		
Sulfur	ppm	ASTM D5185m	2600	2171		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	12		
Sodium	ppm	ASTM D5185m		8		
Potassium	ppm	ASTM D5185m	>20	346		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8		
Nitration	Abs/cm	*ASTM D7624	>20	11.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.3		
Base Number (BN)	mg KOH/g	ASTM D2896		6.6		
-acc Hamber (DIN)	mg Norlig	. 10 THI DE000		0.0		



OIL ANALYSIS REPORT





Certificate 12367

Sample No.

: PCA0119377 Lab Number : 06140573 Unique Number : 10965381

Test Package : FLEET

Received : 05 Apr 2024 **Tested** : 08 Apr 2024 Diagnosed

: 09 Apr 2024 - Don Baldridge

28727 Oregon Road Perrysburg, OH US 43551

Contact: Curtis Hart chart@transervice.com T: (419)666-3277

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: (419)666-3279