

Machine Id
2028

Component
Diesel Engine

Fluid
PETRO CANADA DURON HP 15W40 (15 LTR)

DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0073968	PC0062855	PC0050154
Sample Date	Client Info		13 Jun 2023	14 Jun 2022	15 Jun 2021
Machine Age	kms	Client Info	0	0	0
Oil Age	kms	Client Info	10707	15305	13117
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	<1.0	0.5

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >130	63	123	48
Chromium	ppm	ASTM D5185(m) >10	4	▲ 17	<1
Nickel	ppm	ASTM D5185(m) >4	<1	<1	<1
Titanium	ppm	ASTM D5185(m) >2	0	<1	0
Silver	ppm	ASTM D5185(m) >2	0	0	0
Aluminum	ppm	ASTM D5185(m) >20	12	16	8
Lead	ppm	ASTM D5185(m) >20	0	0	<1
Copper	ppm	ASTM D5185(m) >125	2	4	3
Tin	ppm	ASTM D5185(m) >4	0	<1	<1
Antimony	ppm	ASTM D5185(m)	0	0	0
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	1	1	1
Barium	ppm	ASTM D5185(m) 0	0	0	0
Molybdenum	ppm	ASTM D5185(m) 60	62	62	60
Manganese	ppm	ASTM D5185(m) 0	<1	2	<1
Magnesium	ppm	ASTM D5185(m) 1010	1024	1027	981
Calcium	ppm	ASTM D5185(m) 1070	1130	1174	1097
Phosphorus	ppm	ASTM D5185(m) 1150	1116	1033	1001
Zinc	ppm	ASTM D5185(m) 1270	1281	1307	1289
Sulfur	ppm	ASTM D5185(m) 2060	2573	2541	2586
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

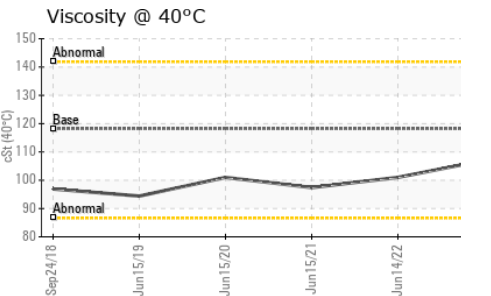
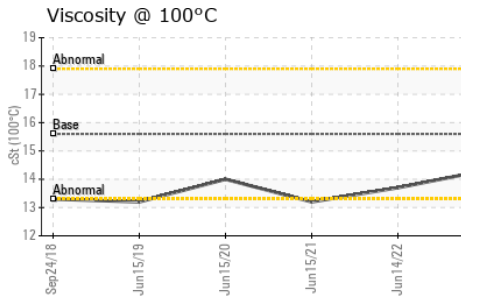
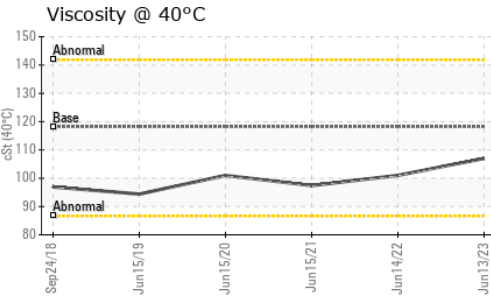
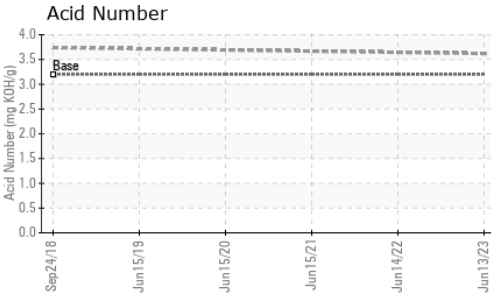
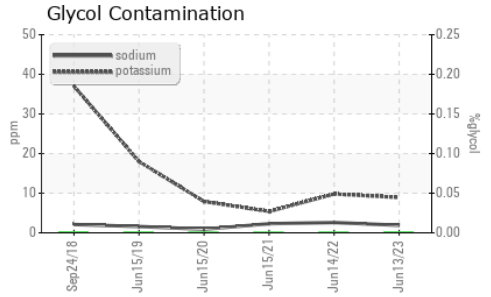
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	4	7	4
Sodium	ppm	ASTM D5185(m)	2	3	2
Potassium	ppm	ASTM D5185(m) >20	9	10	5
Glycol	%	ASTM D7922*	0.0	0.0	0.0

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >6	0.7	1.2	0.8
Nitration	Abs/cm	ASTM D7624* >20	11.3	13.8	11.2
Sulfation	Abs./1mm	ASTM D7415* >30	21.8	25.0	21.8

OIL ANALYSIS REPORT

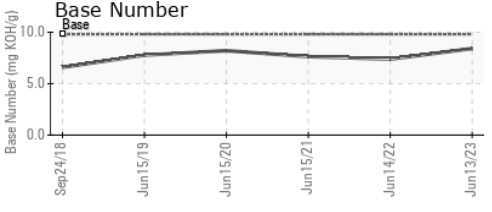
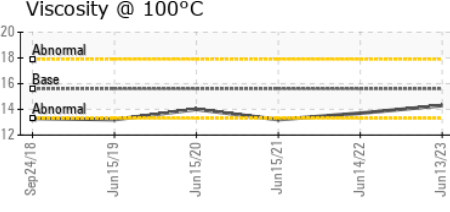
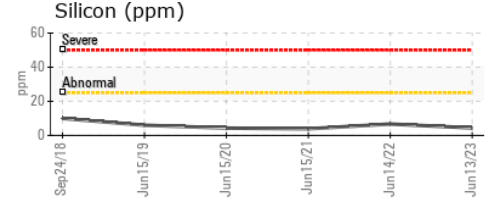
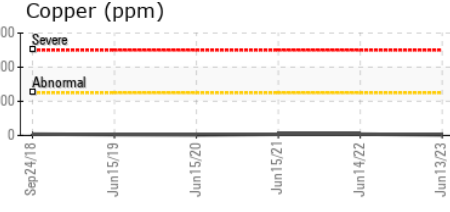
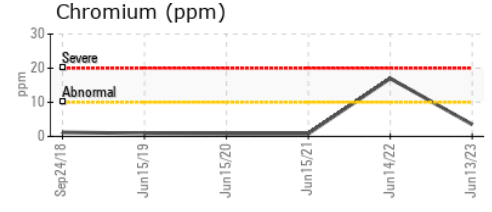
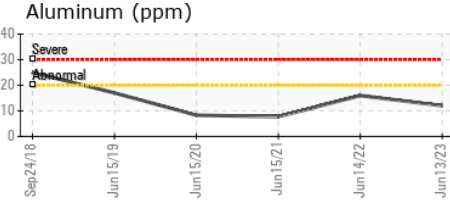
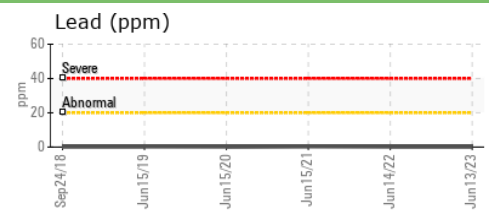
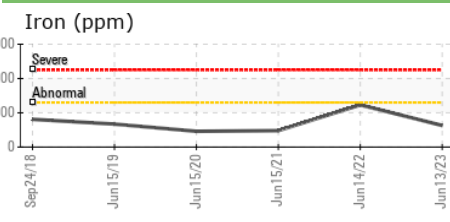


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	18.1	21.7	18.3
Acid Number (AN)	mg KOH/g	ASTM D974*	3.2	3.62	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	8.42	7.38	7.63

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	118.2	107	101	97.4
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.3	13.7	13.2
Viscosity Index (VI)	Scale	ASTM D2270*	139	136	136	133

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0073968 **Received** : 18 Jul 2023
Lab Number : 02570564 **Diagnosed** : 19 Jul 2023
Unique Number : 5607610 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: Glycol, KV40, TAN Auto, TAN Man, VI, Visual)

TRANSDEV ST-JEAN
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 CA J3B 8T2
 Contact: Eric Breton
 eric.breton@transdev.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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