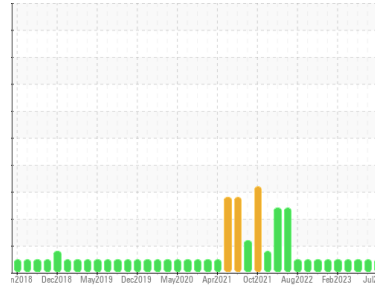


Machine Id
6021

Component
Rear Diesel Engine

Fluid
PETRO CANADA DURON HP 15W40 (18 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. L'état de l'huile permet d'en prolonger l'utilisation.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0074554	PC0073971	PC0073871
Sample Date	Client Info	26 Jul 2023	12 Jun 2023	08 May 2023
Machine Age	kms	Client Info	467510	0
Oil Age	kms	Client Info	9876	7049
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >130	24	21	21
Chromium	ppm	ASTM D5185(m) >10	<1	<1	<1
Nickel	ppm	ASTM D5185(m) >4	0	<1	0
Titanium	ppm	ASTM D5185(m) >2	0	0	<1
Silver	ppm	ASTM D5185(m) >2	0	0	0
Aluminum	ppm	ASTM D5185(m) >20	2	2	3
Lead	ppm	ASTM D5185(m) >20	0	0	0
Copper	ppm	ASTM D5185(m) >125	<1	<1	<1
Tin	ppm	ASTM D5185(m) >4	0	0	0
Antimony	ppm	ASTM D5185(m)	<1	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

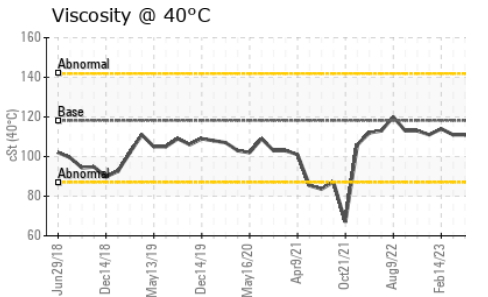
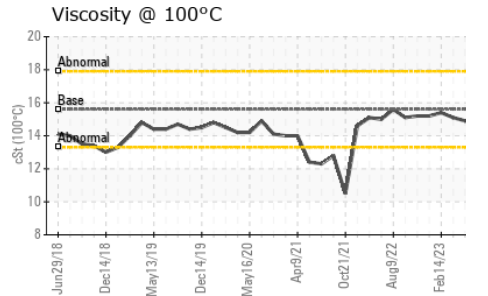
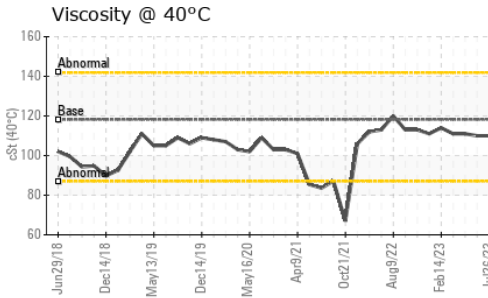
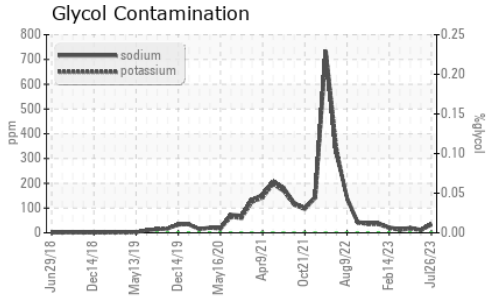
method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 0	2	2	2
Barium	ppm	ASTM D5185(m) 0	0	0	0
Molybdenum	ppm	ASTM D5185(m) 60	63	62	64
Manganese	ppm	ASTM D5185(m) 0	<1	<1	<1
Magnesium	ppm	ASTM D5185(m) 1010	1023	1018	1018
Calcium	ppm	ASTM D5185(m) 1070	1073	1093	1171
Phosphorus	ppm	ASTM D5185(m) 1150	1070	1085	1158
Zinc	ppm	ASTM D5185(m) 1270	1247	1262	1285
Sulfur	ppm	ASTM D5185(m) 2060	2447	2498	2640
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >25	4	4	3
Sodium	ppm	ASTM D5185(m)	37	13	21
Potassium	ppm	ASTM D5185(m) >20	32	10	16
Glycol	%	ASTM D7922*	0.0	0.0	0.0

INFRA-RED

method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844* >6	1.5	1.2	1.2
Nitration	Abs/cm	ASTM D7624* >20	9.8	9.4	9.6
Sulfation	Abs/.1mm	ASTM D7415* >30	23.5	22.4	21.9

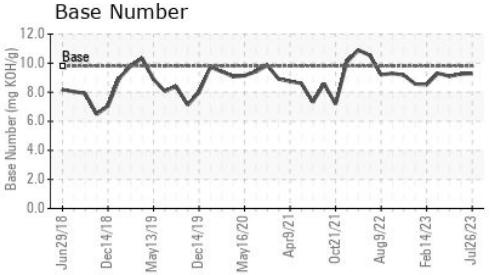
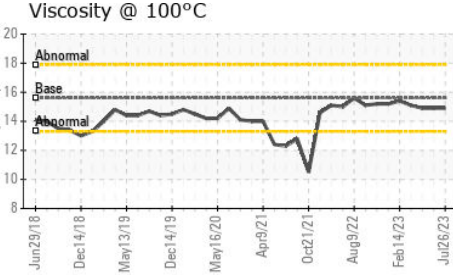
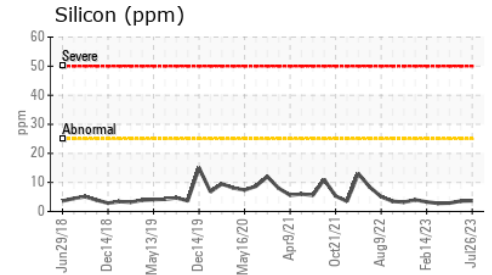
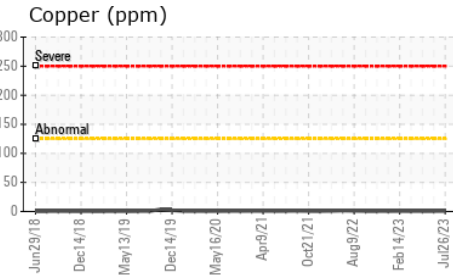
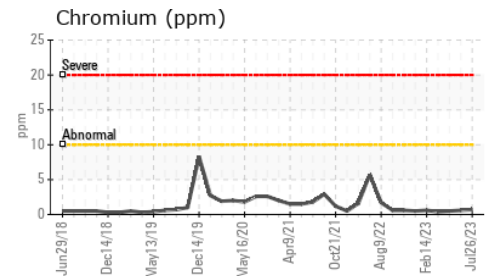
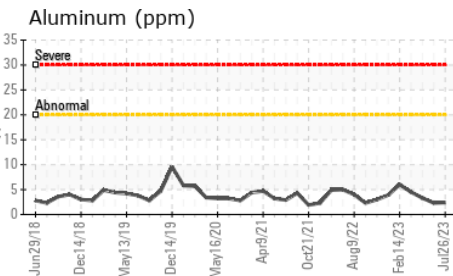
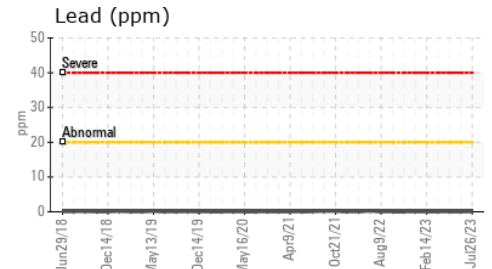
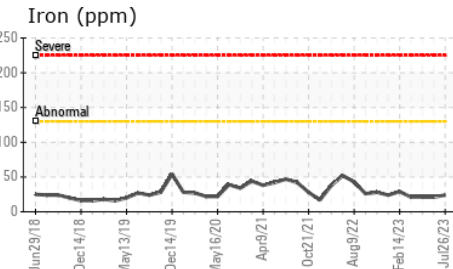


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	16.6	16.7	17.2
Base Number (BN)	mg KOH/g	ASTM D2896*	9.8	9.29	9.25	9.10

VISUAL		method	limit/base	current	history1	history2
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	110	110	111
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.9	14.9	14.9
Viscosity Index (VI)	Scale	ASTM D2270*	139	140	140	139

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074554 **Received** : 02 Aug 2023
Lab Number : **02573573** **Diagnosed** : 02 Aug 2023
Unique Number : 5618624 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: Glycol, KV40, VI)

TRANSDEV ST-JEAN
 720 TROTTER
 ST-JEAN-SUR-RICHELIEU, QC
 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.